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DEPARTMENT OF THE INTERIOR
DOMINION WATER POWER BRANCH
OTTAWA, CANADA

WATER RESOURCES PAPER No. 3
VOLUME II

WINNIPEG RIVER POWER
AND
STORAGE INVESTIGATIONS

BY

J. T. JOHNSTON, B.A. Sc.
Chief Hydraulic Engineer.

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CANADA

Prepared under the direction of the Superintendent of Water Power.

OTTAWA
GOVERNMENT PRINTING BUREAU
1915.

C 2

DEPARTMENT OF THE INTERIOR—CANADA
Hon. W. J. ROCHE, Minister, W. W. CORY, C.M.G., Deputy Minister.
DOMINION WATER POWER BRANCH,
J. B. CHALLIES, C.E., Superintendent.

WATER RESOURCES PAPER No. 3
VOLUME II

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CANADA

REPORT

ON THE

WINNIPEG RIVER POWER

AND

STORAGE INVESTIGATIONS

BY

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OTTAWA
GOVERNMENT PRINTING BUREAU
1915.

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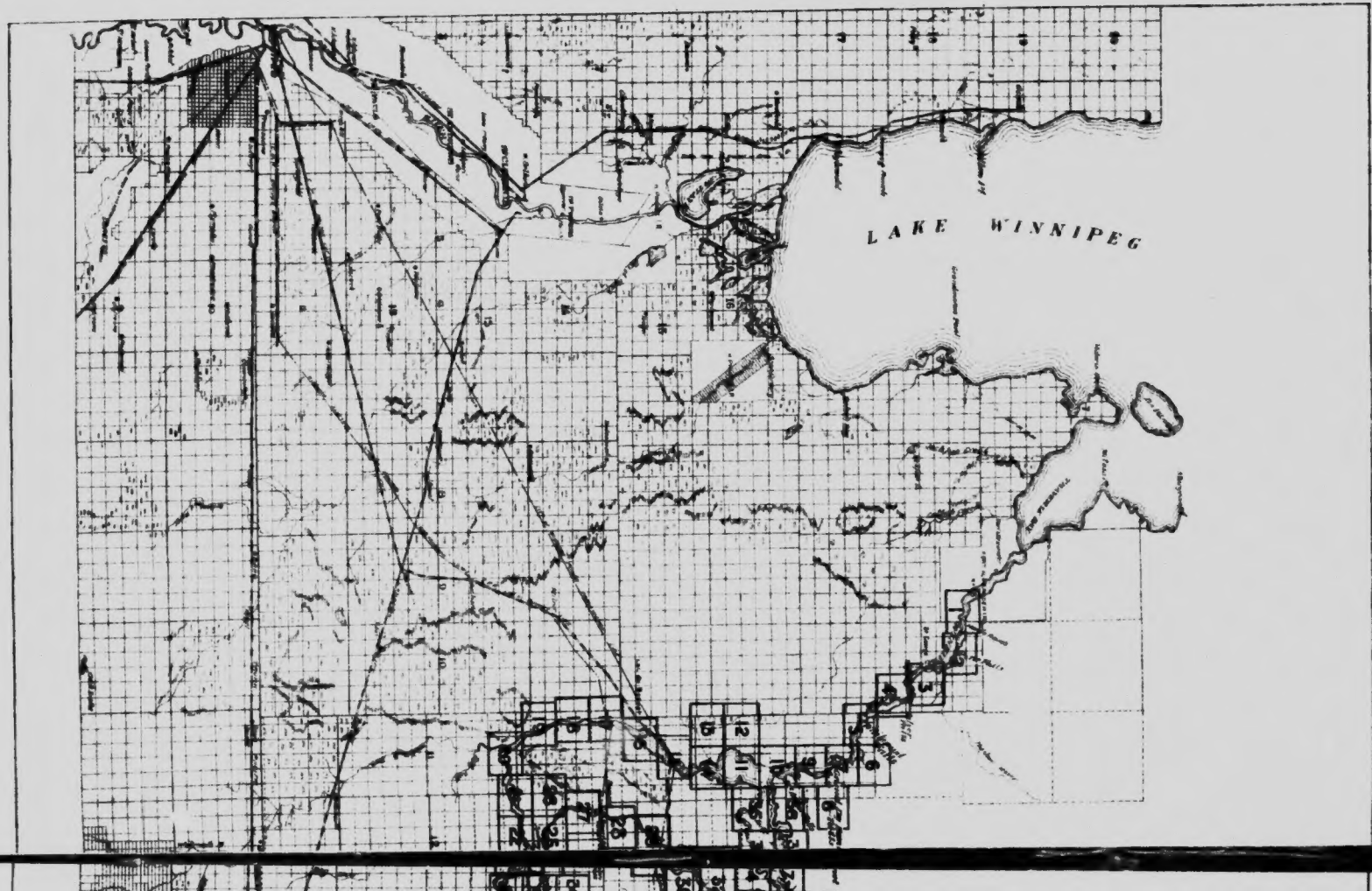
00938221

NOTE.

On the topographic sheets appended are plotted the basic data upon which the power proposals covered in Volume I have been developed. Sheets 1 to 50 completely cover the reach of river from Lake Winnipeg to the Hydro-Electric plant of the City of Winnipeg at Point du Bois falls, and contain the data gathered by the power party in the field. Sheets 51 to 55 have been based on Dominion Land Survey plans and depict the flooding caused by the City Plant.


LAKE WINNIPEG

Department of the Interior Canada

[illegible] MINISTER

[illegible] DEPUTY MINISTER

Water Power Branch

[illegible] Commissioner

WINNIPEG RIVER POWER SURVEYS

INDEX MAP

TO TOPOGRAPHIC SHEETS

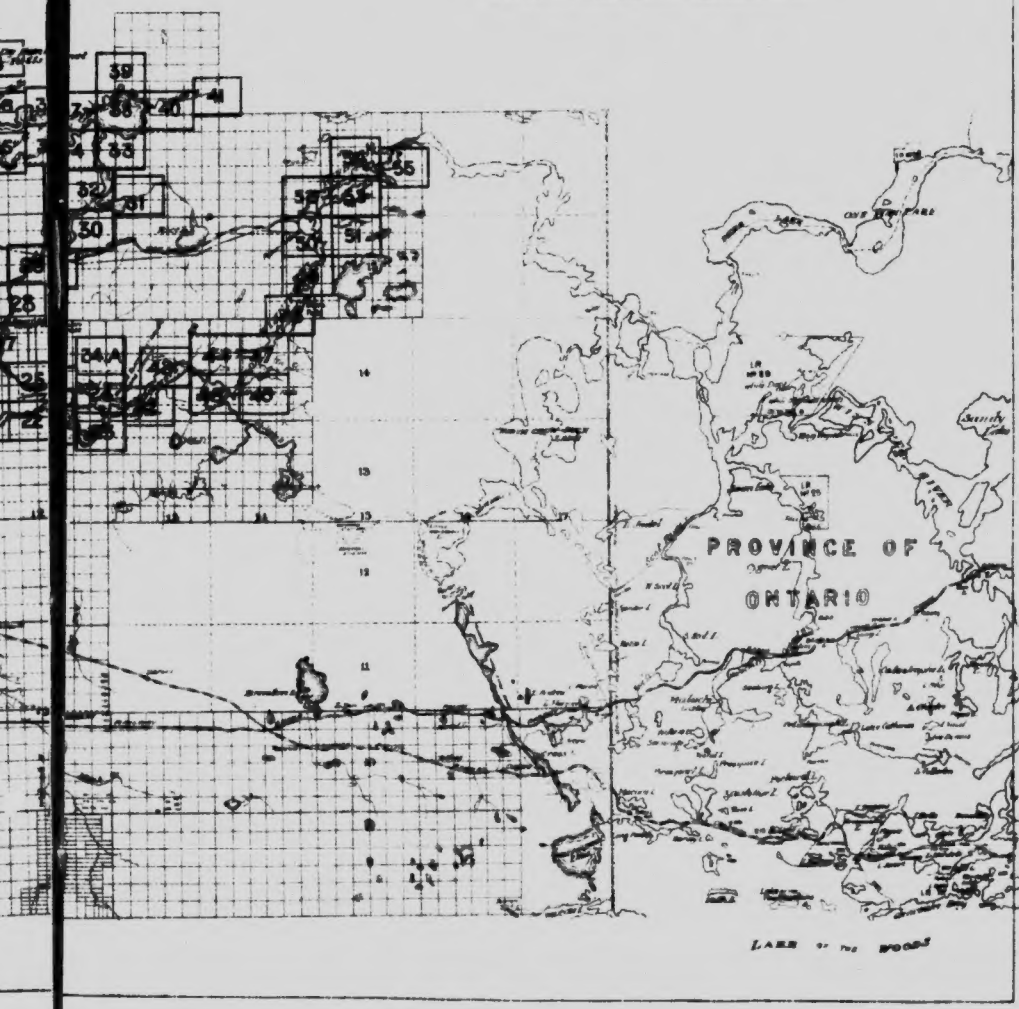
May 1912

[illegible] Engineering Engineer

[illegible] Chief Engineer

UNSURVEYED

Scale



LAKE OF THE WOODS

Department of the Interio

HONOURABLE ROBERT ROGERS

W W CORY ESQ. DEPUTY MI

Water Power Bran

J.B. CHALLIES SUPERINTEND

WINNIPEG RIVER POW

FORT ALEXAN

TOPOGRAPHIC SHEE

SOUNDINGS IN SEA OF RIVER WHERE PRE

B.Z. MORLEY D

MAY 1912

Latitudes and Departures on this plan refer to initial point at Grand du Bonnet Falls

Scale

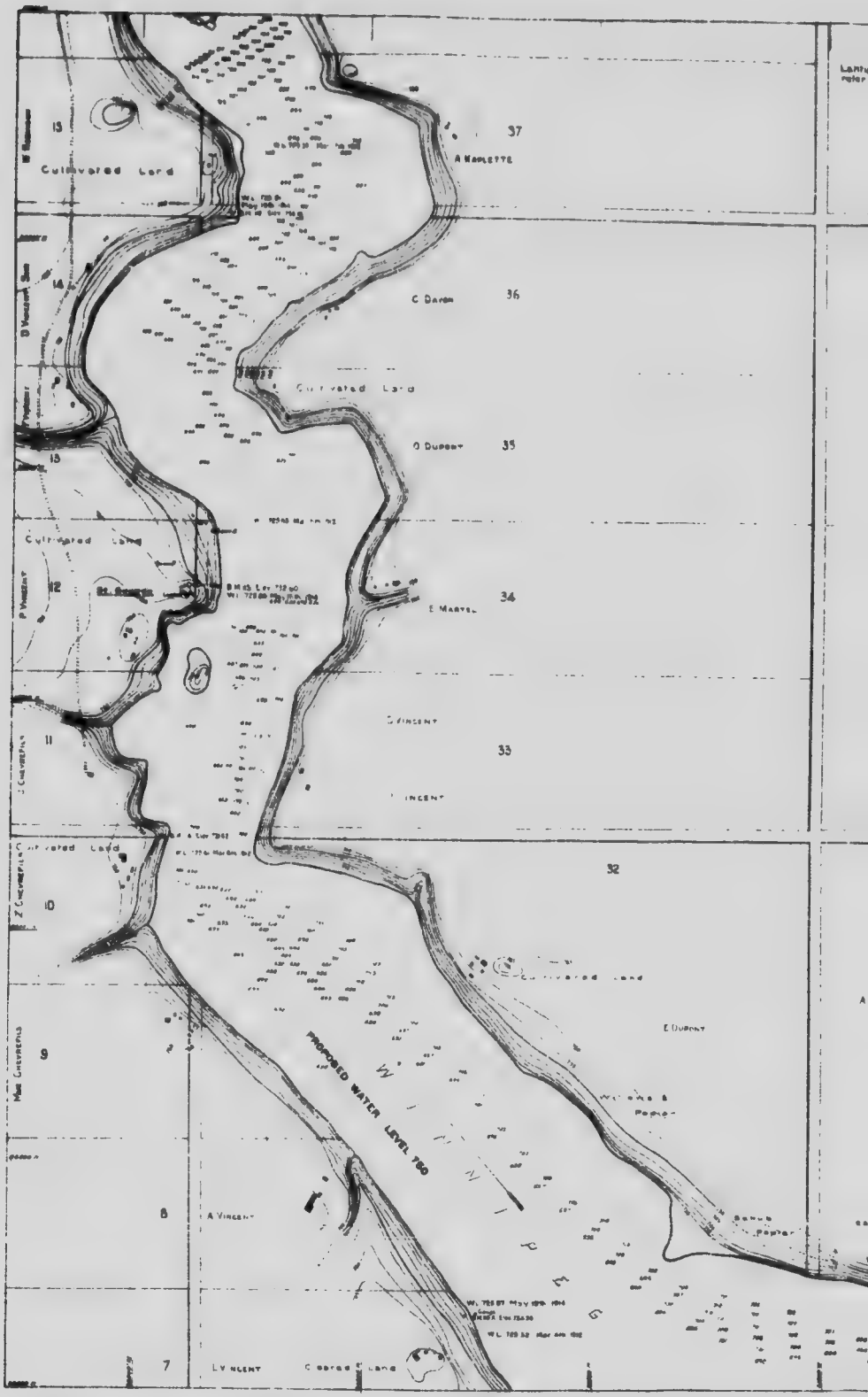
ER POWER SURVEYS

T ALEXANDER

PHIC SHEET - No 1

J Macarthur
Jas M. Dennis
Joe Johnson
49
48
47
46
45
Cleared Land
Practically Lake Winnipeg Level
Low Water Level 715
719 (Plan)
J Bessett
A Bessett
44
Cleared Land
J Baptiste
Cleared Land
C Vincent
Cleared Land
19
J Papineau Snr
PINE FALL
Normal Storage Level with Works Complete
J Papineau Jnr
22
21
20
18
17
16
Township 18 Range 10 East of the Principal Meridian
20
Latitudes and Departures on this plan refer to initial point at Grand du Bonnet Falls

Department of the Interior, Canada
Water Power Branch
WINNIPEG RIVER POWER SURVEYS
PINE FALLS
TOPOGRAPHIC SHEET No. 2
Consulting Engineer
Chief Engineer
A Rosaire
C W N Kennedy
C W N Kennedy
P. Vinet
44
43
42
41
27
Cleared Land
Present Shore Line
Normal Shore Line with Works completed El 750
Poplar and Scrub Oak
A Vinet
PROPOSED WATER LEVEL 750
Cultivated Land
Leo Schanus
40
A Herbert
G. Vincent
39
Cultivated Land
MASKWA RAPIDS
38
W Robinson
A & O Vincent


Cultivated Land
A Mapleyte
C Daron
Cultivated Land
O Dupont
Cultivated Land
E Martel
C Vincent
Cultivated Land
E Dupont
PROPOSED WATER LEVEL 750
A Vincent
Cultivated Land
13
14
15
12
11
10
9
8
7
37
36
35
34
33
32

Latitudes and Departures on this plan refer to initial point at Grand du Diable Falls

Department of the Interior, Canada

Water Power Branch

WINNIPEG RIVER POWER SURVEYS

St GEORGE

TOPOGRAPHIC SHEET No. 3

Scale

Township 18 Range 10 East of the Principal Meridian

14

31 30 29 28

A A VINCENT

REV. MACARE

JEAN CHEVRIER

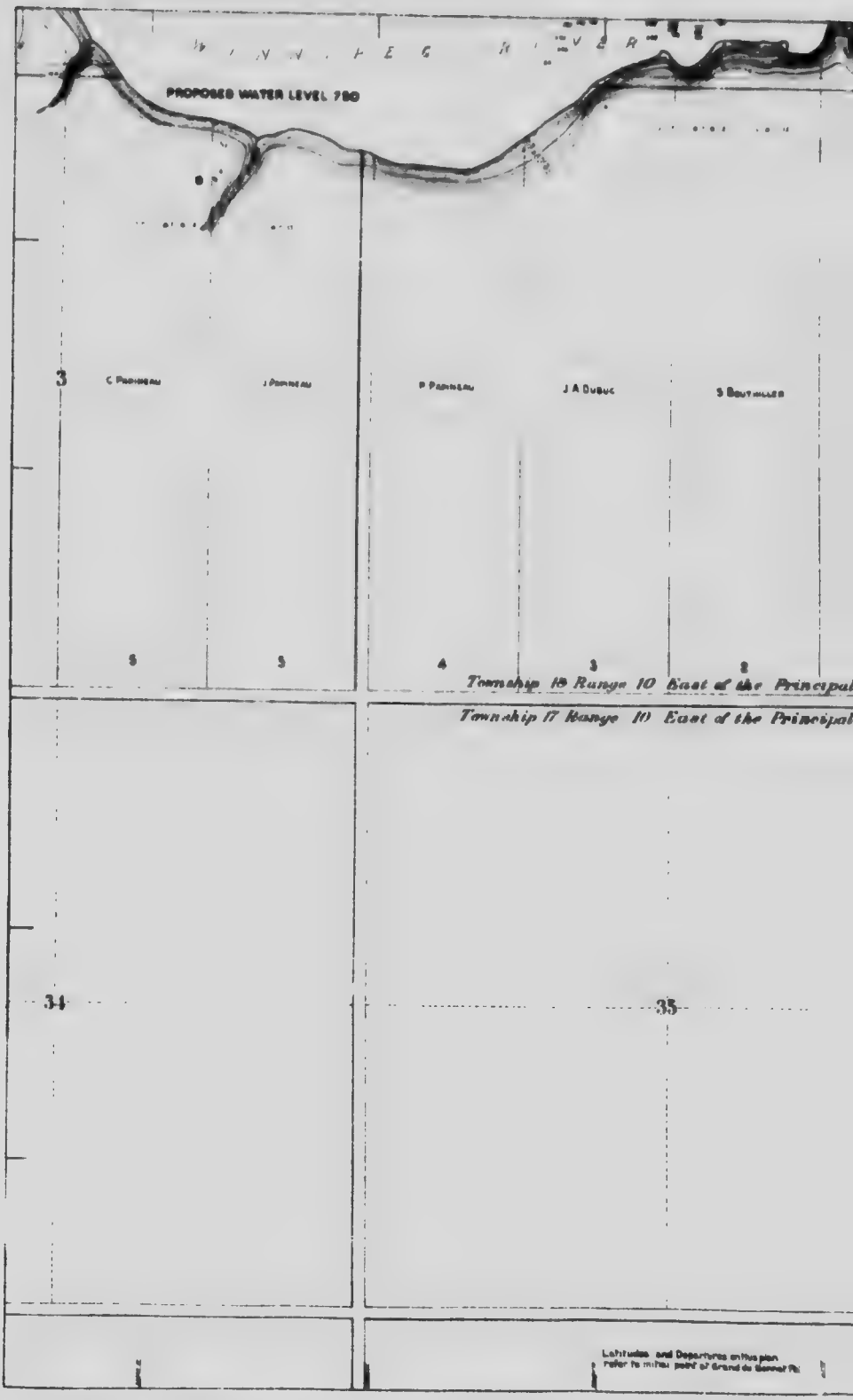
L DUPONT

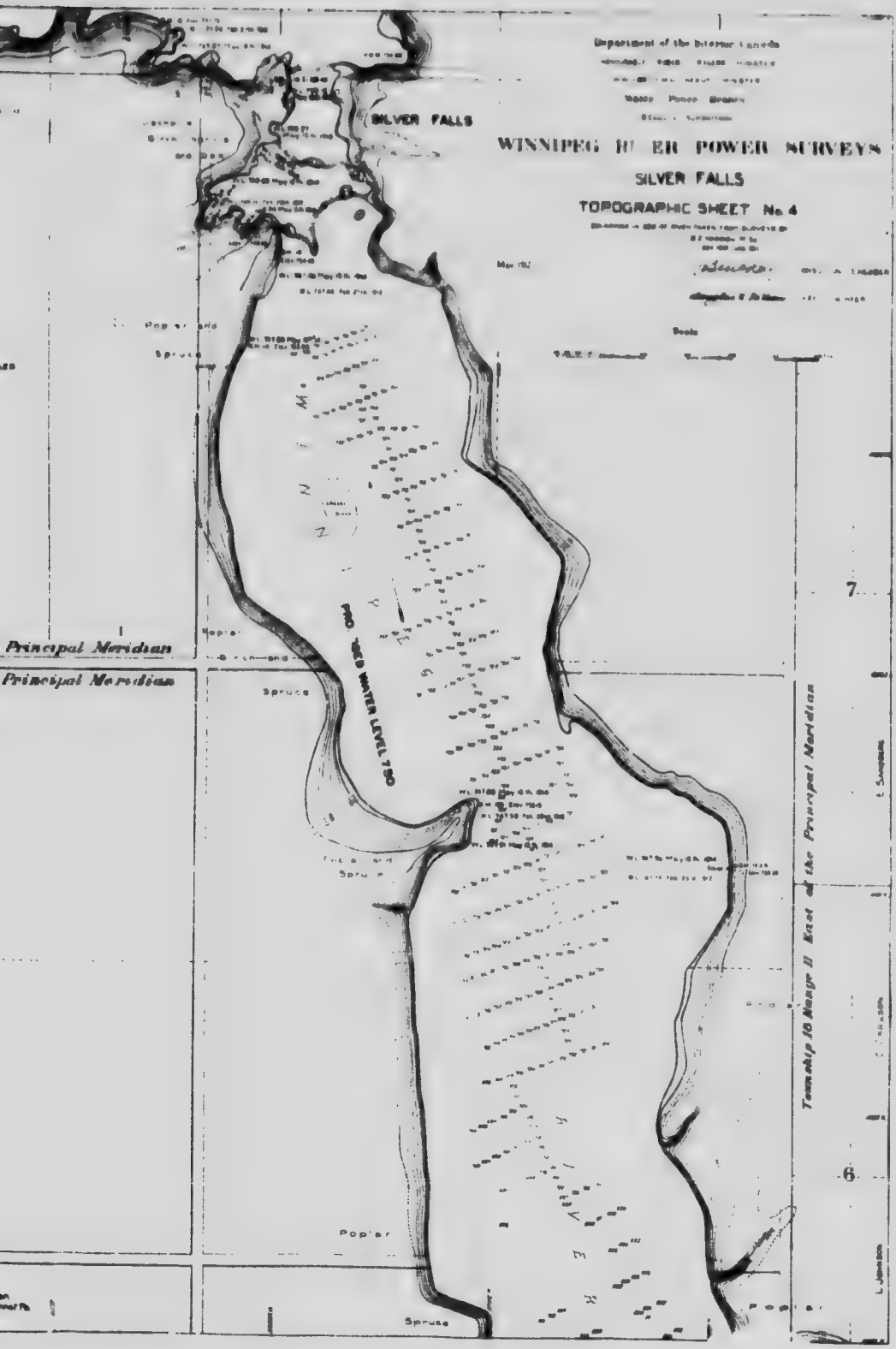
GEORGE BEDARD

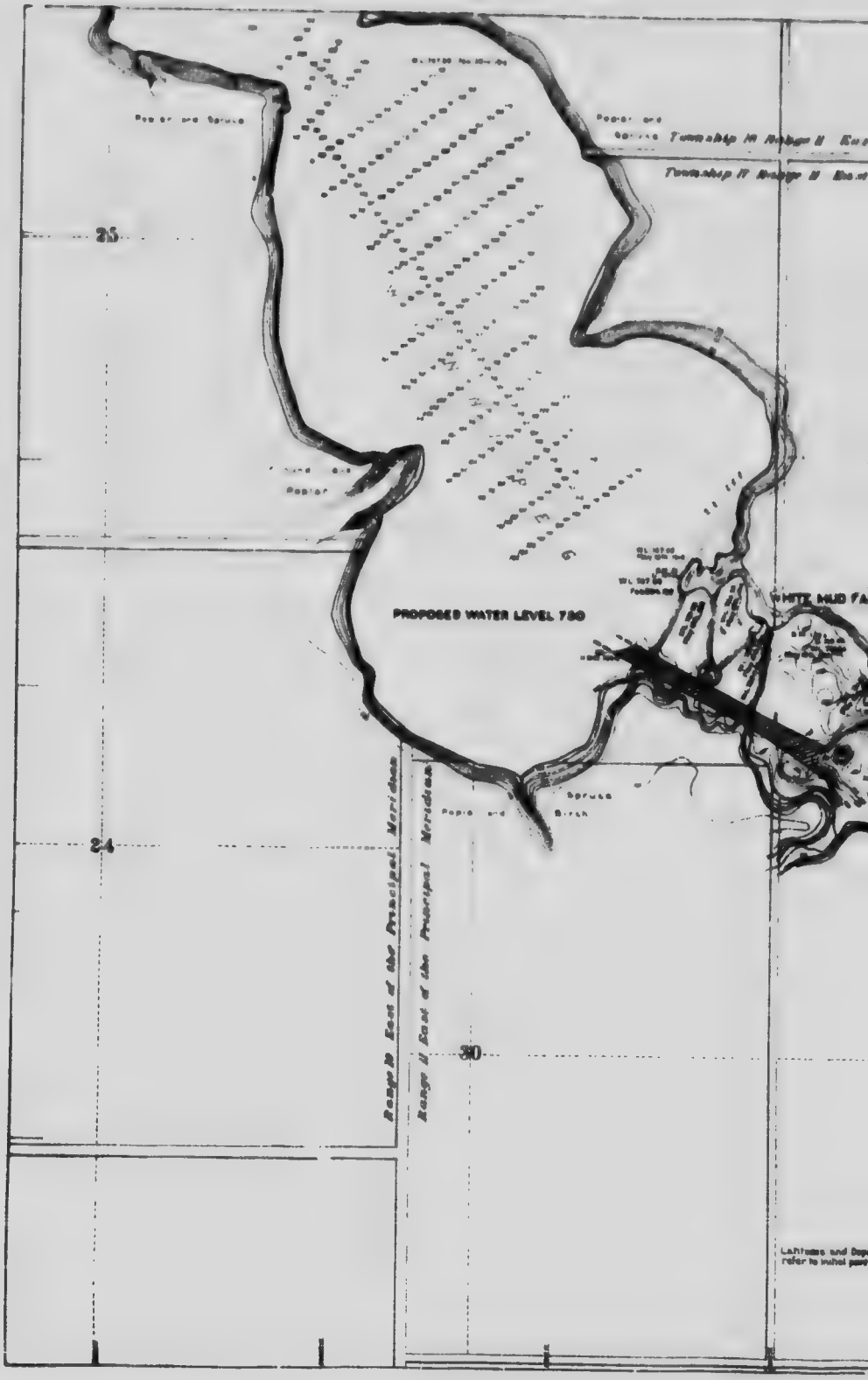
27 M DUPONT

26

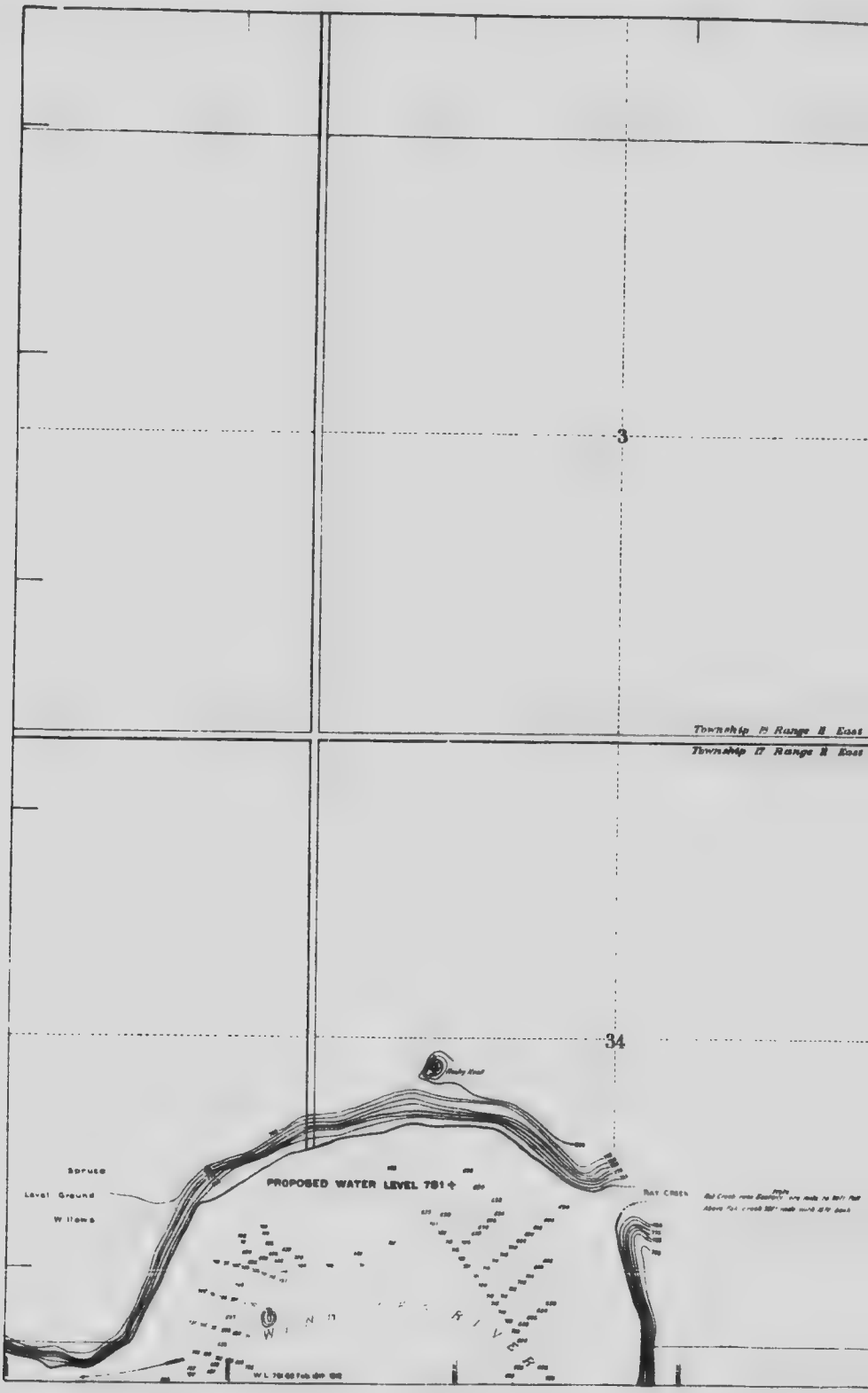
Meyer Island


PROPOSED WATER LEVEL 750
3
J A Dubuc
5
5
4
3
2
Township 18 Range 10 East of the Principal
Township 17 Range 10 East of the Principal
34
35
Latitudes and Departures on this plan
refer to miles point of Grand du Bonnet Pt.


Department of the Interior Canada
WINNIPEG RIVER POWER SURVEYS
SILVER FALLS
TOPOGRAPHIC SHEET No. 4
SILVER FALLS
Principal Meridian
Principal Meridian
Spruce
Poplar
Spruce
Spruce
Poplar
Spruce
7
6
Township 10 Range 11 East of the Principal Meridian


PROPOSED WATER LEVEL 730
25
24
30
Range 10 East of the Principal Meridian
Range 11 East of the Principal Meridian

WINNIPEG RIVER POWER SURVEYS
WHITE MUD FALLS
TOPOGRAPHIC SHEET No. 8
NOTE- SHOWING PROPOSED ROCK CUT IN CONNECTION WITH DU BONNET FALLS CONCENTRATION.
32
28
PROPOSED WATER LEVEL 751+
Ground Level
Poplar
Poplar and Birch
Poplar and Spruce


3
Township 15 Range 8 East
Township 17 Range 8 East
34
Spruce
Level Ground
Willows
PROPOSED WATER LEVEL 781+
RAT CREEK

2

...nge 8 East of the Principal Meridian

...nge 8 East of the Principal Meridian

Department of the Interior, Canada

HONOURABLE ROBERT ROGERS, MINISTER

W W CORY C.M.G. DEPUTY MINISTER

Water Power Branch

J B CHALLIES SUPERINTENDENT

WINNIPEG RIVER POWER SURVEYS

GRAND DU BONNET FALLS

TOPOGRAPHIC SHEET No 6.

SOUNDINGS IN BED OF RIVER TAKEN FROM SURVEYS BY

H E HARRISON M Sc

MR C [illegible]

Map [illegible]

J Bernatchez

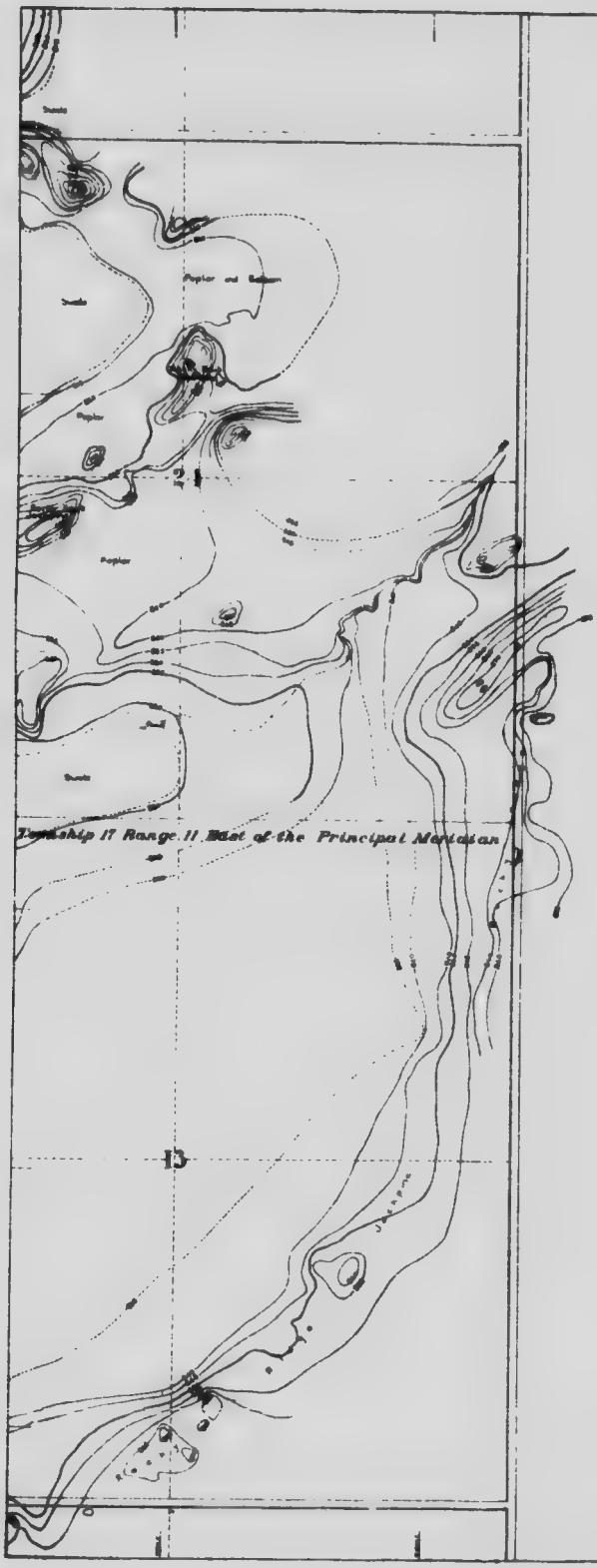
[illegible]

Scale

Latitudes and Departures on this plan refer to initial point at Grand du Bonnet Falls

WINNIPEG
PROPOSED WATER LEVEL 751
Township 17 Range 11 East of the Principal Meridian
PROPOSED WATER LEVEL 868
GRAND
DU BONNET

Department of the Interior Canada
Water Power Branch
WINNIPEG RIVER POWER SURVEYS
GRAND DU BONNET FALLS
TOPOGRAPHIC SHEET — No. 7
Scale
May 1912
Rocky Ridge
Jackpine
Spruce
Birch & Alders
Poplar & Jackpine
Poplar
Muskeg
Alders
Meadow
Open Meadow
Clay Banks
Spruce
FALLS
23
26



Latitudes and Departures on this plan refer to Initial point at Grand du Bonnet Falls.

Department of the Interior, Canada

HONOURABLE ROBERT ROGERS MINISTER

W W CORY C.M.G. DEPUTY MINISTER

Water Power Branch

J B Collin Superintendent

WINNIPEG RIVER POWER SURVEYS

GRAND DU BONNET FALLS

TOPOGRAPHIC SHEET No.8

May 1912

J. B. Collin & Son ..... Consulting Engineers

Chief Engineer

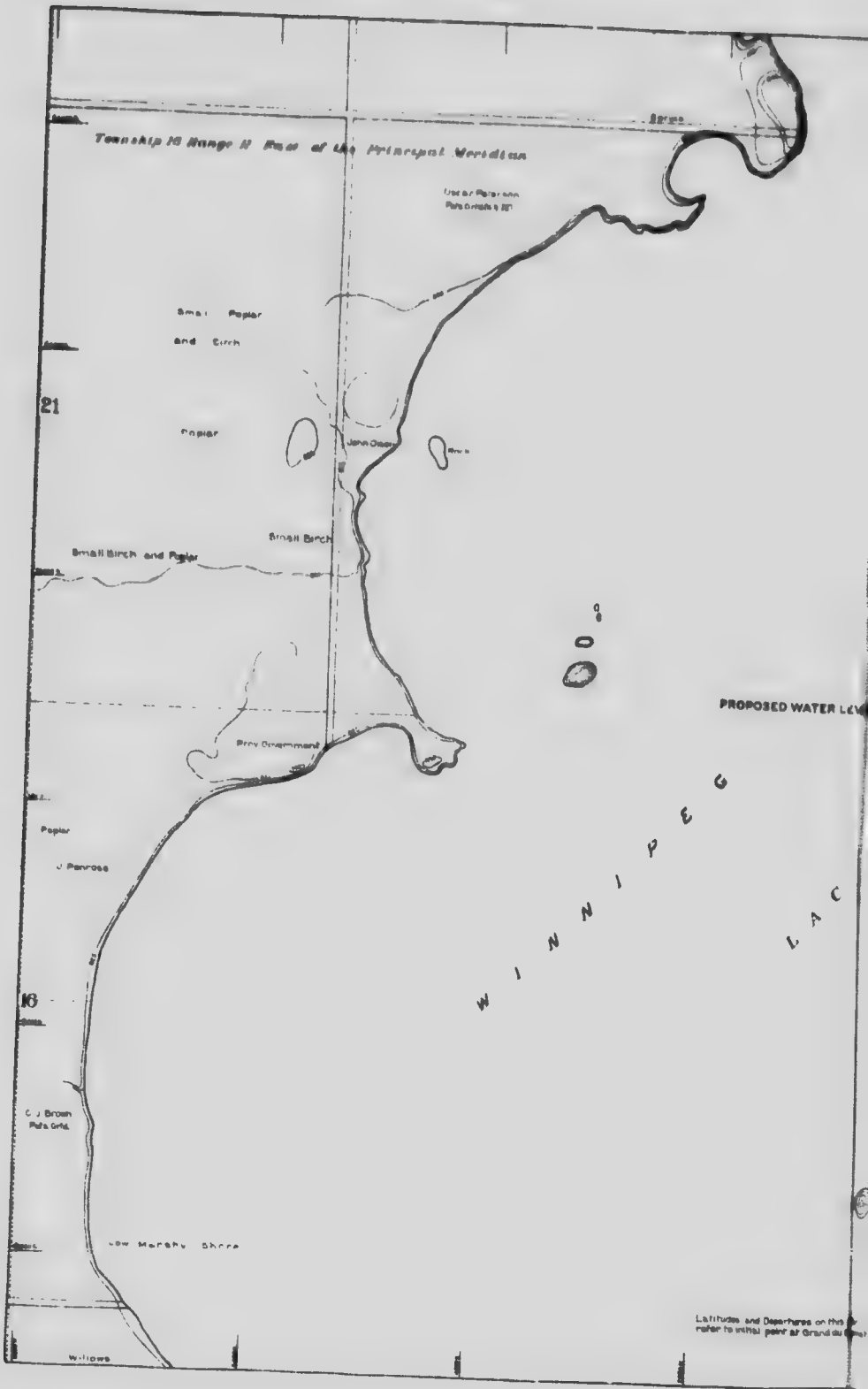
Scale

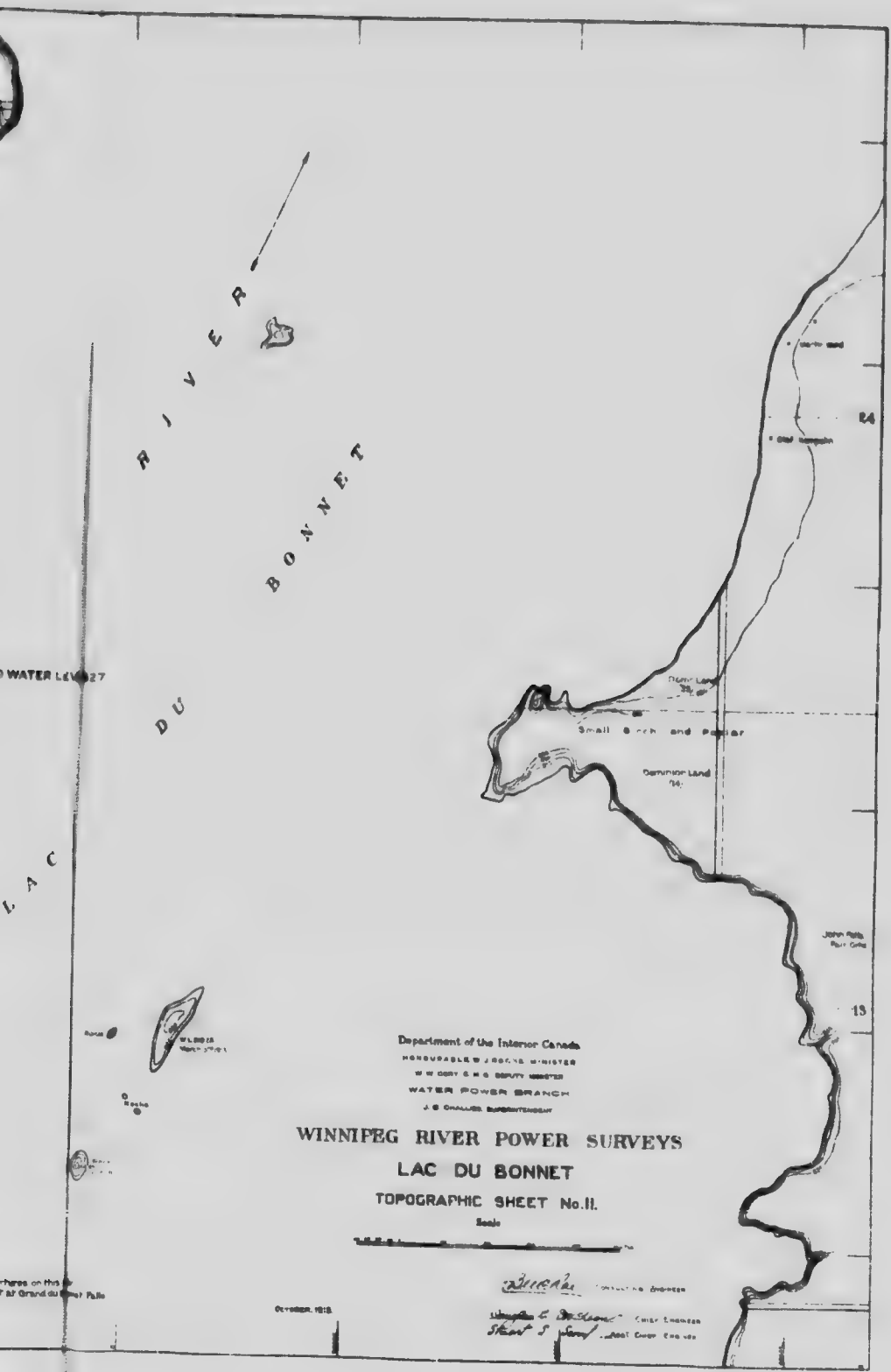
15
Township 17, Range 11 East of the Principal Meridian.
10
PROPOSED WATER LEVEL
Tamarac & Spruce

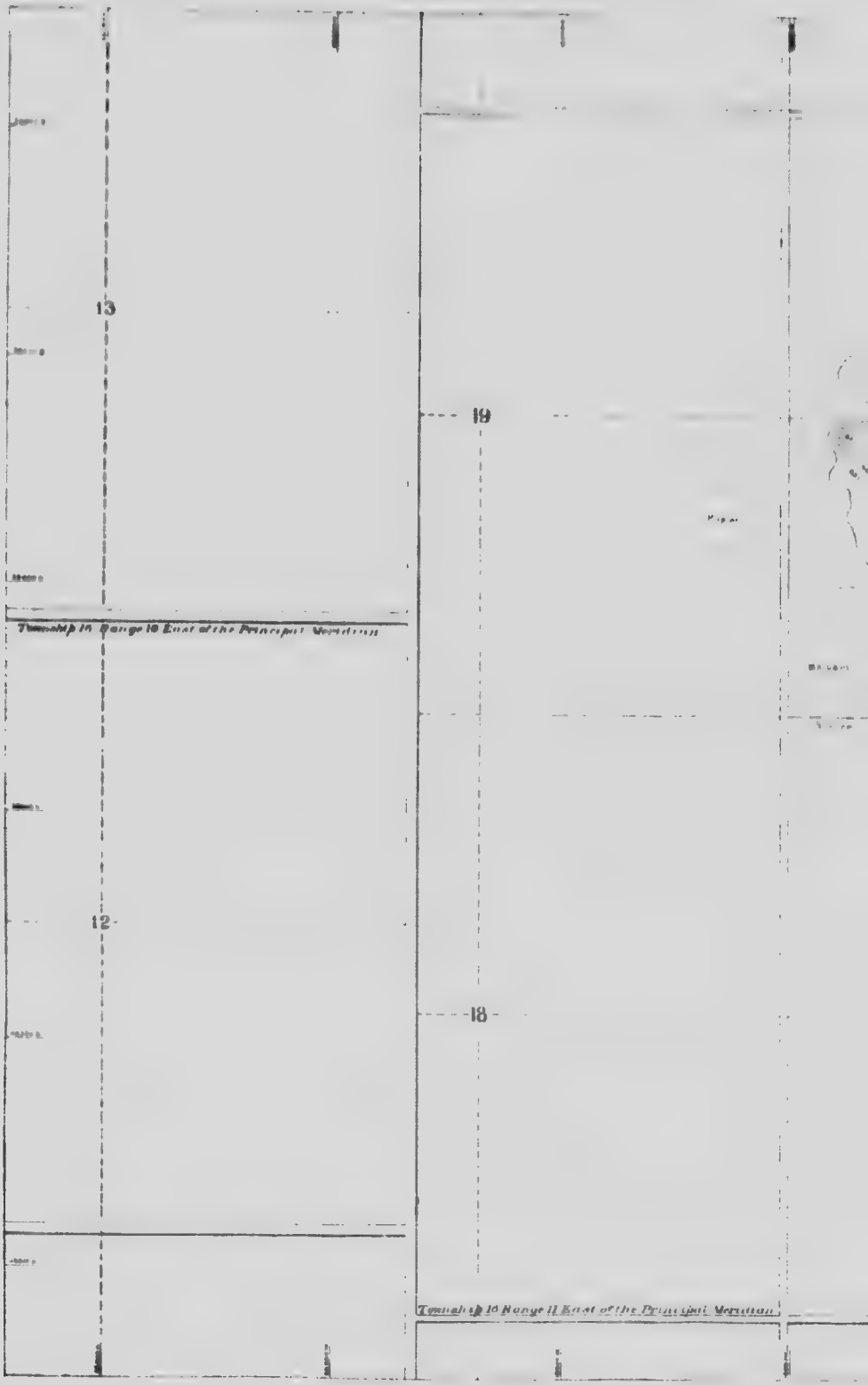
RIVER
WATER LEVEL 608·5+
Department of the Interior Canada
Water Power Branch
WINNIPEG RIVER POWER SURVEYS
Mc ARTHUR FALLS
TOPOGRAPHIC SHEET No. 9
Scale
MAY 1912
CONSULTING ENGINEER
CHIEF ENGINEER

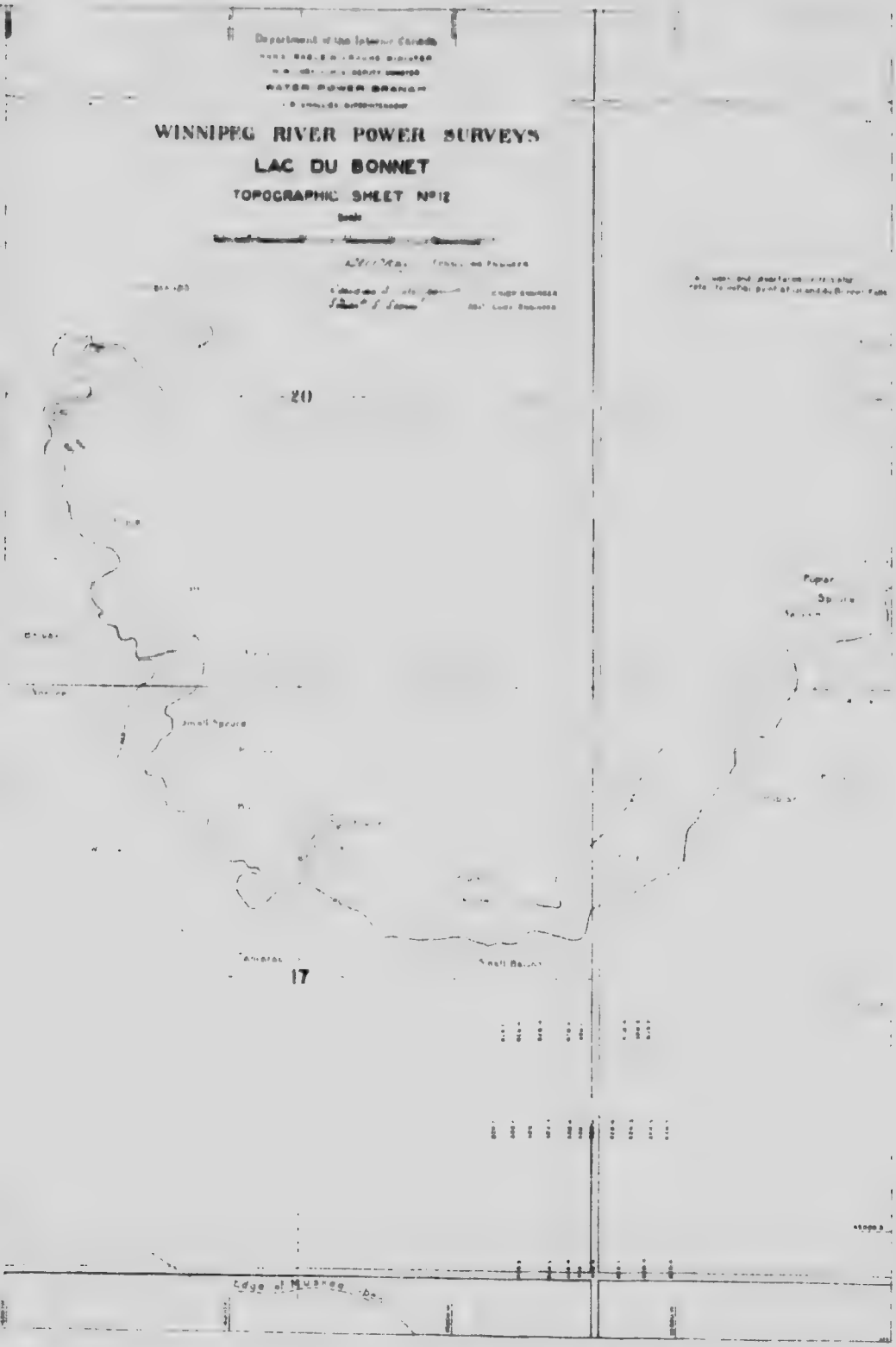
PROPOSED WATER LE
Spruce and Poplar
Muskeg
Township 17 Range 11 East of the Pr. Mer.
Township 8 Range 11 East of the Pr. Mer.
SECOND
31
Muskeg
Muskeg
Spruce and Poplar
Spruce and Birch
Department of the Interior Canada
Water Power Branch
WINNIPEG RIVER POWER SURVEYS
Mc. ARTHUR FALLS
TOPOGRAPHIC SHEET No. 10
Consulting Engineer
Chief Engineer
Latitudes and Departures on this p
refer to initial point at Grand du Bonn

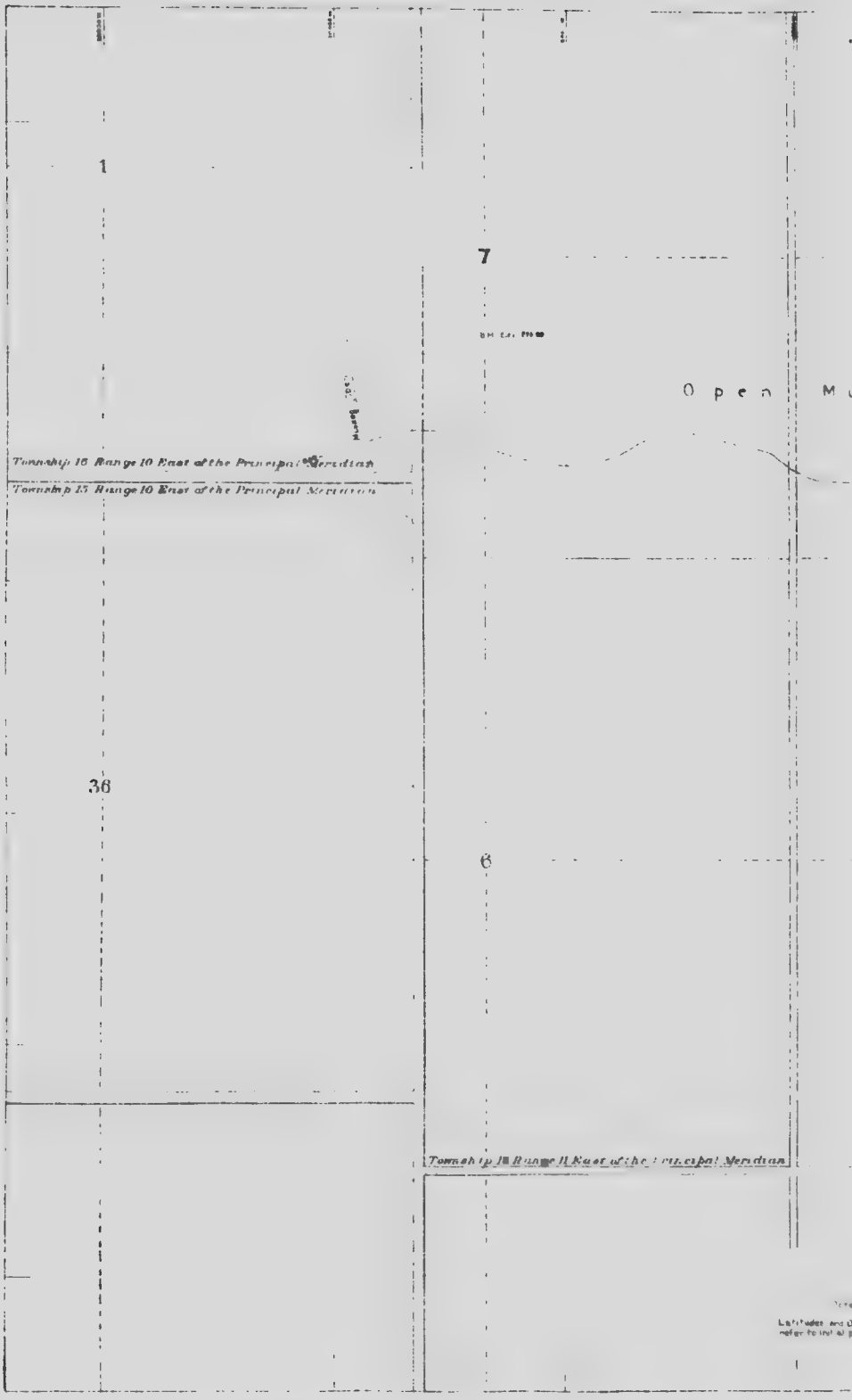
PROPOSED WATER LEVEL 827
McARTHUR FALLS
McARTHUR FALLS
26
LAC DU BONNET

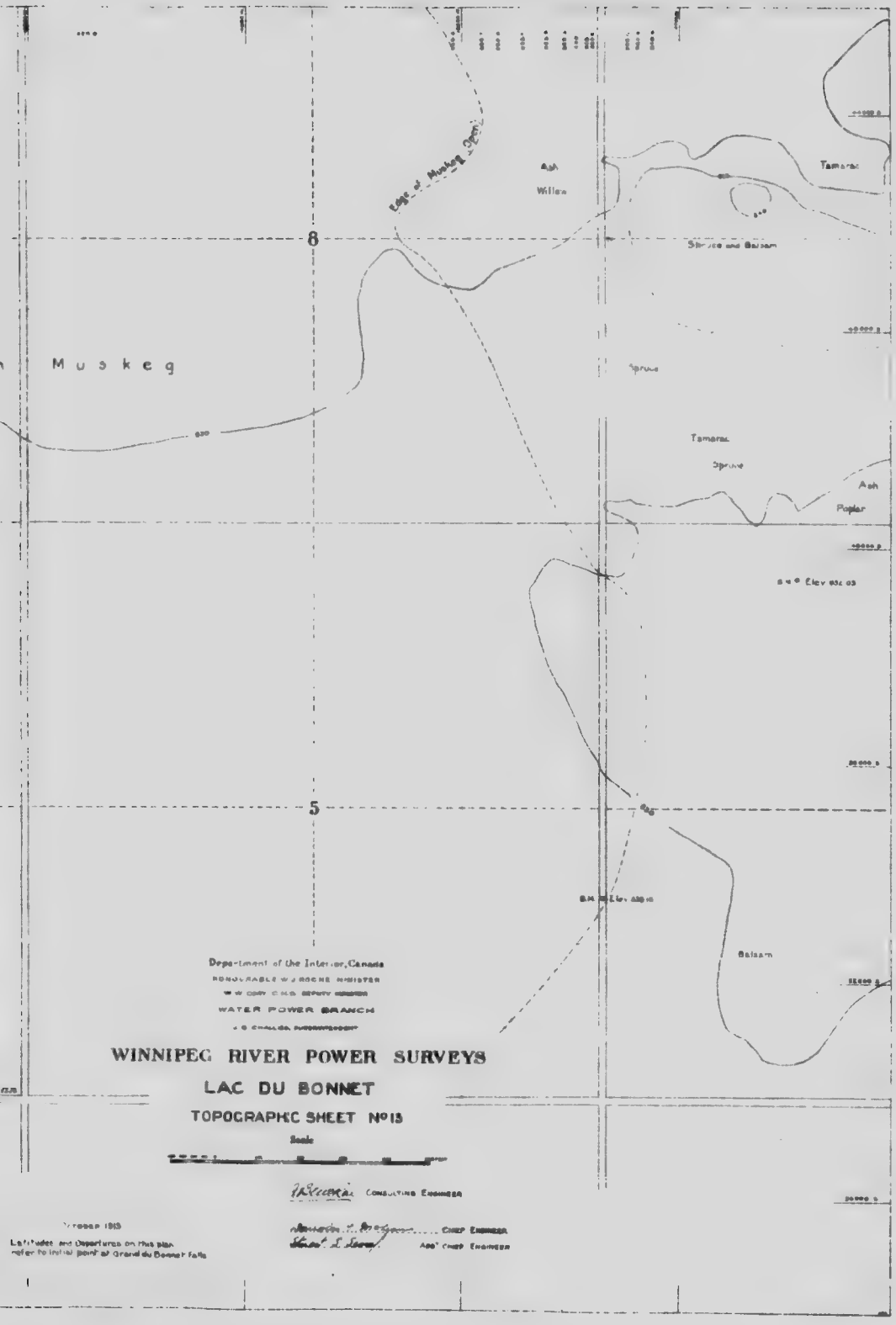

Township 18 Range 11 East of the Principal Meridian
Spruce
Small Poplar
and Birch
21
Poplar
Small Birch
Small Birch and Poplar
PROPOSED WATER LEV
Poplar
J. Penrose
16
C. J. Brown
Pats Grid
Low Marshy Shore
Willows
WINNIPEG
LAC

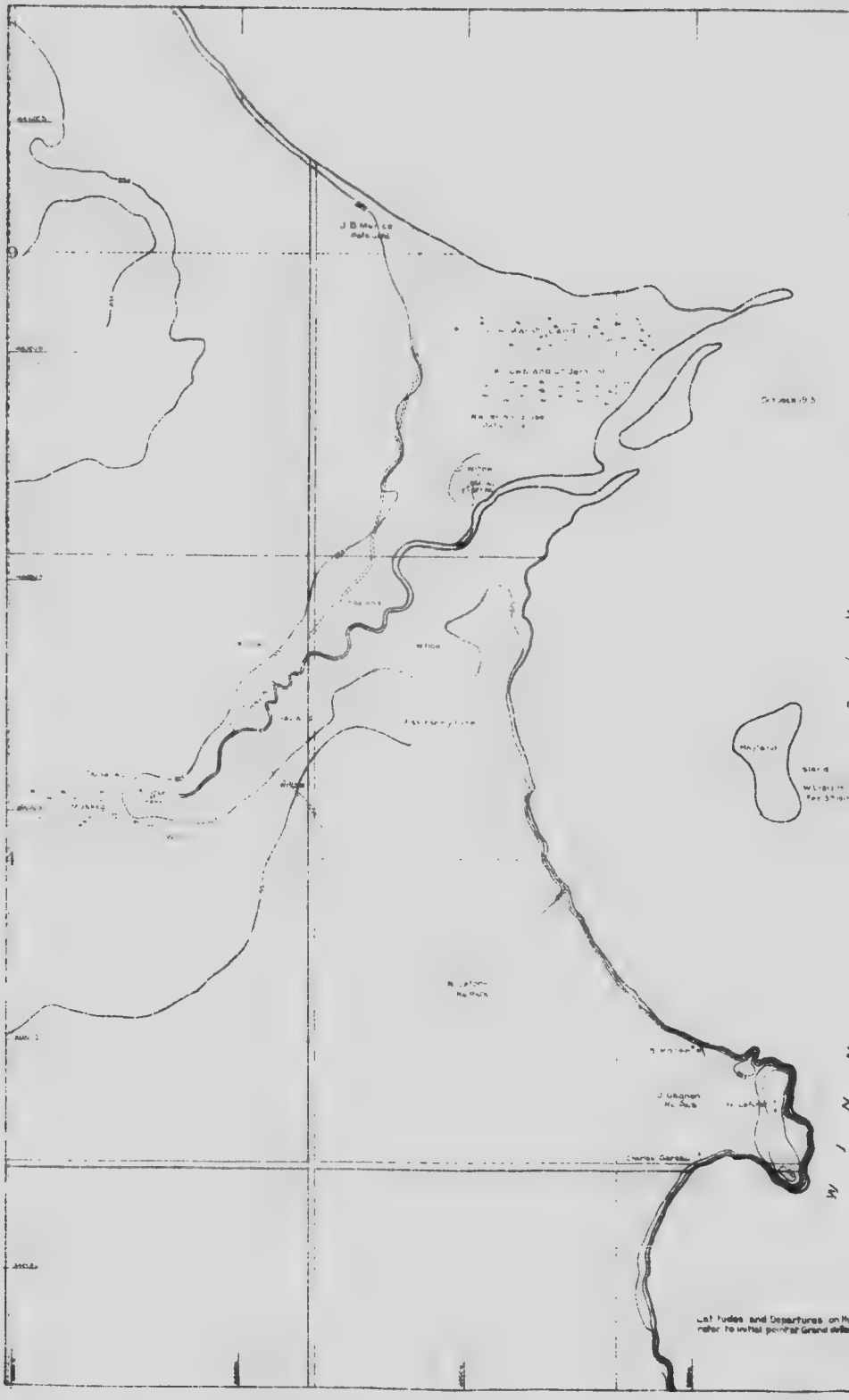

R I V E R
B O N N E T
D U
L A C
WATER LEVEL 927
Small Birch and Poplar
Dominion Land
24
13
Department of the Interior Canada
HONOURABLE W J ROCHE MINISTER
W W CORY C M G DEPUTY MINISTER
WATER POWER BRANCH
J G CHALLIES SUPERINTENDENT
WINNIPEG RIVER POWER SURVEYS
LAC DU BONNET
TOPOGRAPHIC SHEET No.II.
Scale
OCTOBER, 1918.
Chief Engineer
Asst Chief Engineer

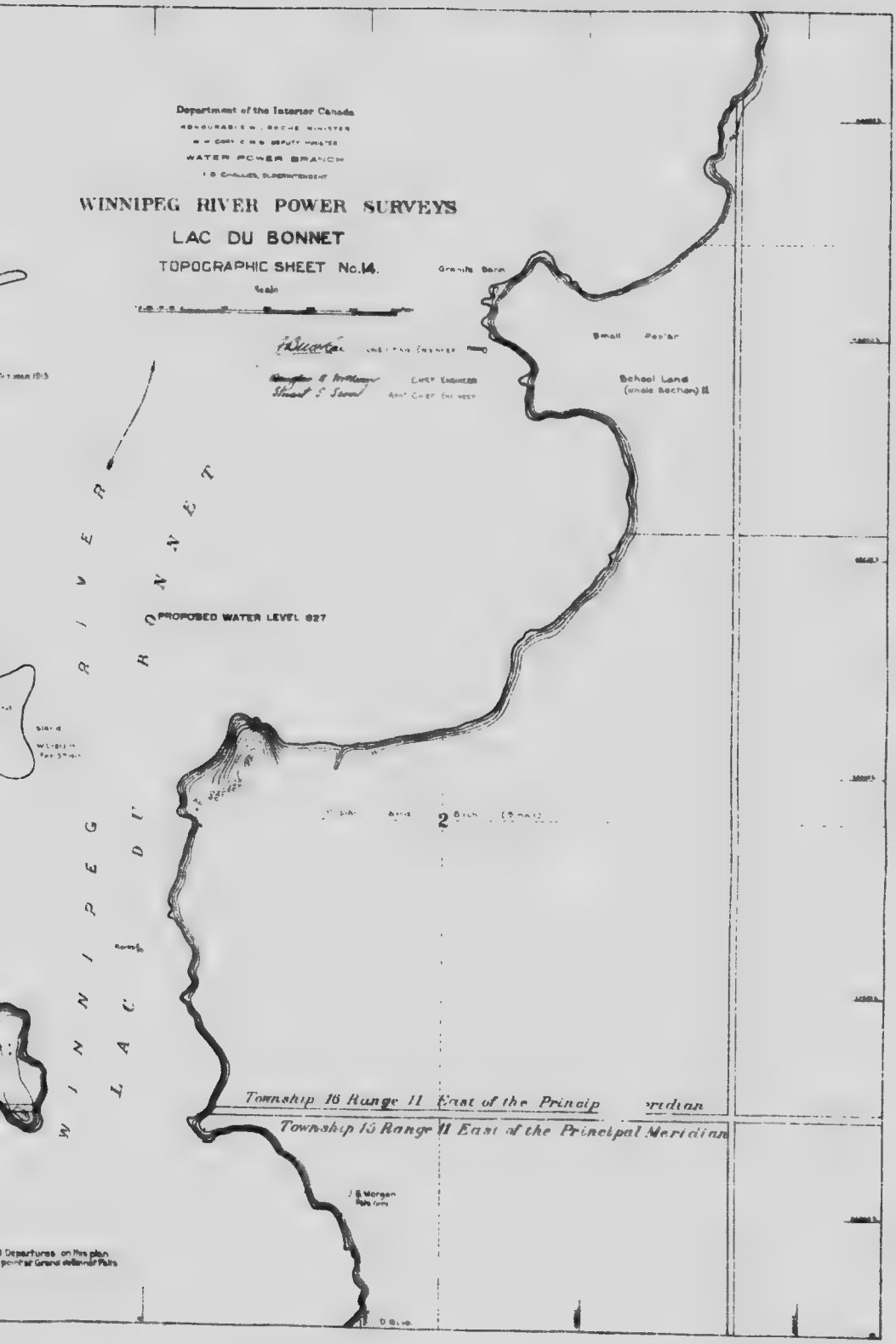

13
19
Township 14 Range 10 East of the Principal Meridian
12
18
Township 14 Range 11 East of the Principal Meridian


WINNIPEG RIVER POWER SURVEYS
LAC DU BONNET
TOPOGRAPHIC SHEET N°12
WATER POWER BRANCH
- 20 -
- 17 -
Edge of Muskeg

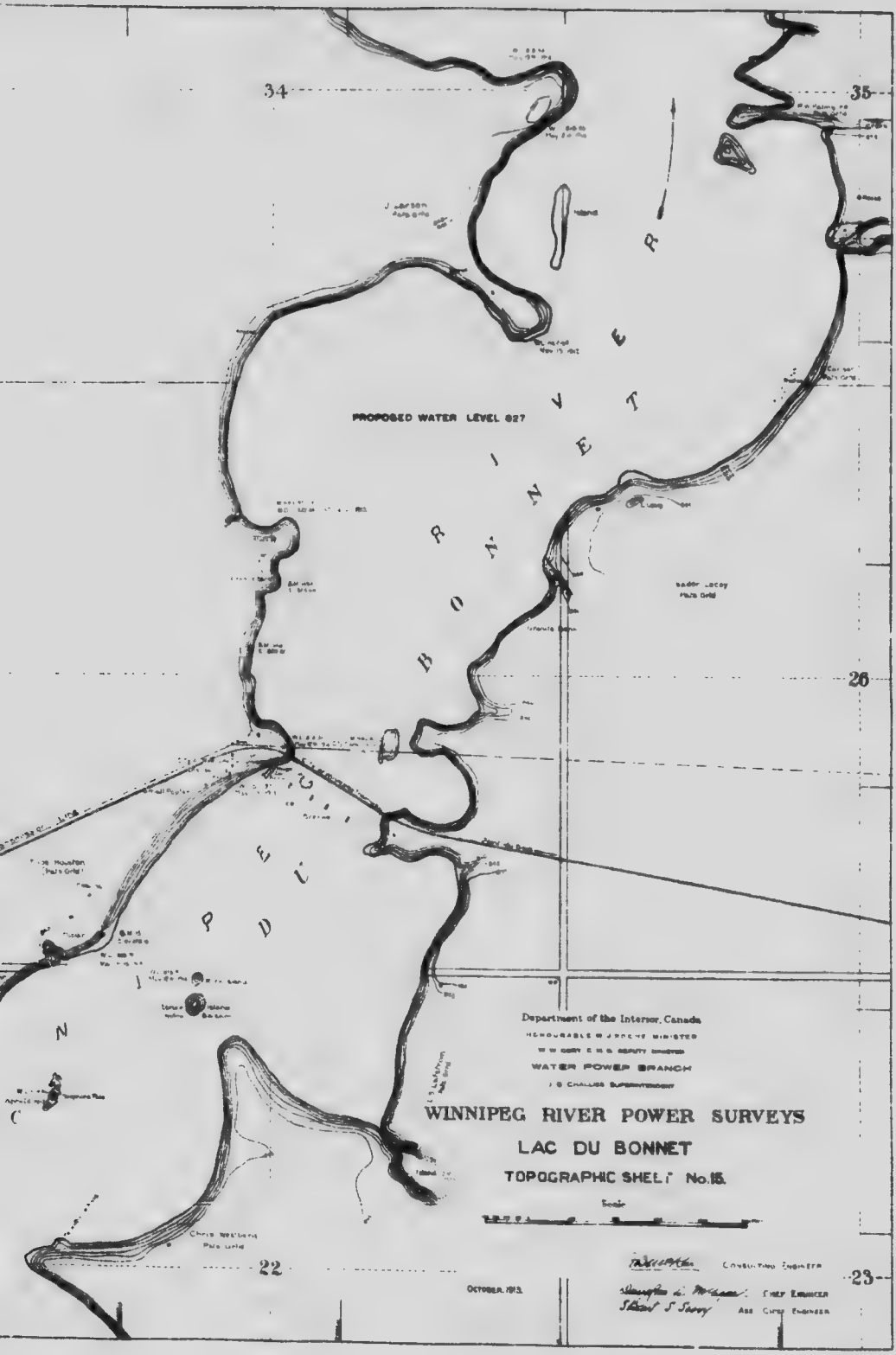

1
7
Open
36
6
Township 16 Range 10 East of the Principal Meridian
Township 15 Range 10 East of the Principal Meridian
Township 15 Range 11 East of the Principal Meridian


Edge of Muskeg
Ash
Willow
Tamarac
Spruce and Balsam
8
Muskeg
Spruce
Tamarac
Spruce
Ash
Poplar
Elev 1030
5
B.M. Elev 1030
Balsam
Department of the Interior, Canada
WATER POWER BRANCH
WINNIPEG RIVER POWER SURVEYS
LAC DU BONNET
TOPOGRAPHIC SHEET No 13
Scale
CONSULTING ENGINEER
CHIEF ENGINEER
ASST CHIEF ENGINEER

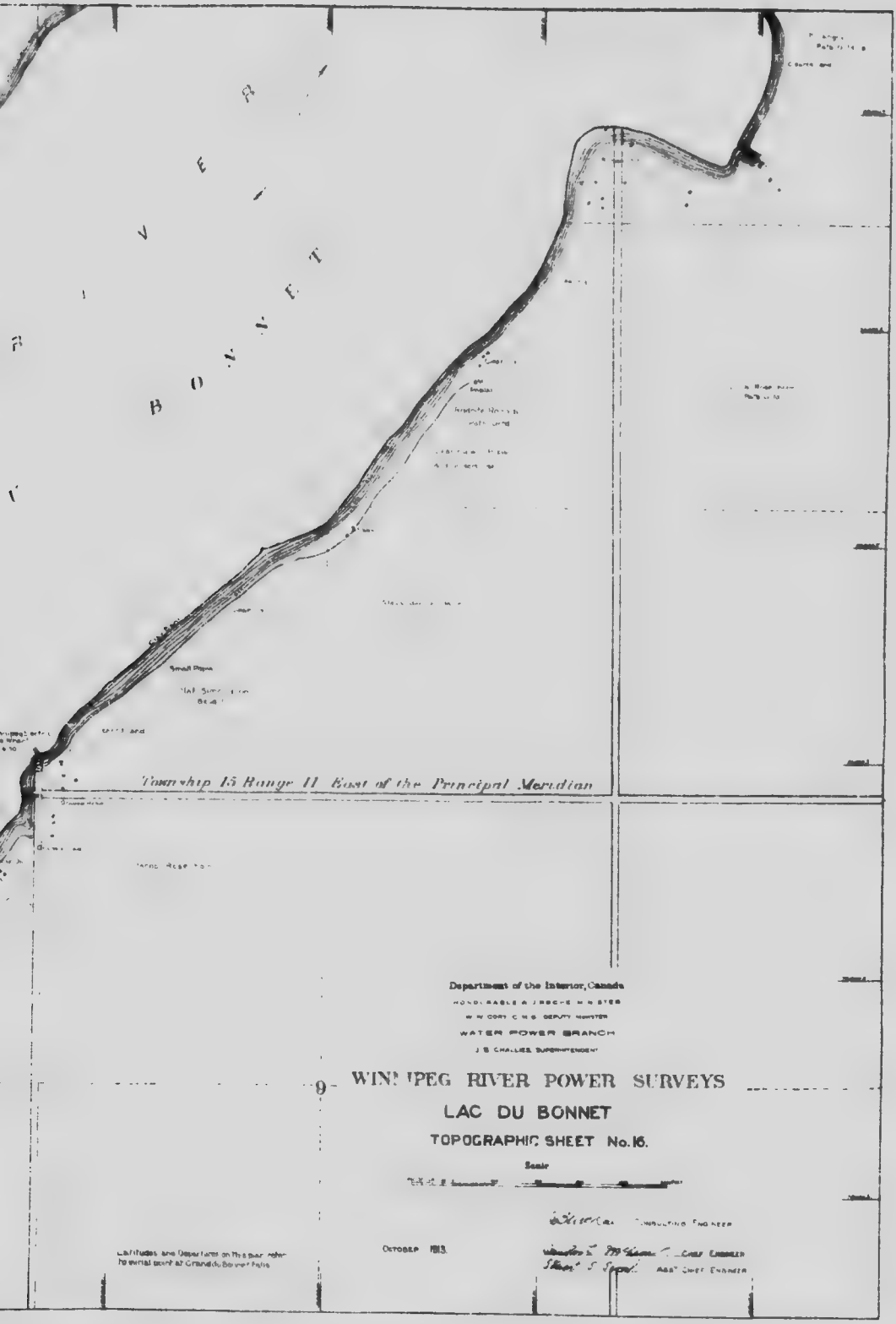



Department of the Interior Canada
WATER POWER BRANCH
WINNIPEG RIVER POWER SURVEYS
LAC DU BONNET
TOPOGRAPHIC SHEET No.14.
Granite Bank
Small Poplar
School Land
(whole Section) 11
PROPOSED WATER LEVEL 827
WINNIPEG RIVER
LAC DU
Township 16 Range 11 East of the Principal Meridian
Township 15 Range 11 East of the Principal Meridian
J.B. Morgan

33
28
Township 15 Range 11 East of the Principal Meridian
PROPOSED WATER LEVEL 827
Latitudes and Departures on this plan refer to initial point at Grand du Bonnet Falls


34
35
PROPOSED WATER LEVEL 827
R I V E R
B O N N E T
26
P E L
N
C
22
23
Department of the Interior, Canada
WATER POWER BRANCH
WINNIPEG RIVER POWER SURVEYS
LAC DU BONNET
TOPOGRAPHIC SHEET No.15.
OCTOBER, 1913.

LAC DU BONNET
PROPOSED WATER LEVEL 82'
WINNIPEG
LAKE



Department of the Interior, Canada

HONOURABLE A. J. BOSCHE M. N. STEB

W. W. CORY C. M. G. DEPUTY MINISTER

WATER POWER BRANCH

J. B. CHALLIES SUPERINTENDENT

WINNIPEG RIVER POWER SURVEYS

LAC DU BONNET

TOPOGRAPHIC SHEET No. 16.

Scale

CONSULTING ENGINEER

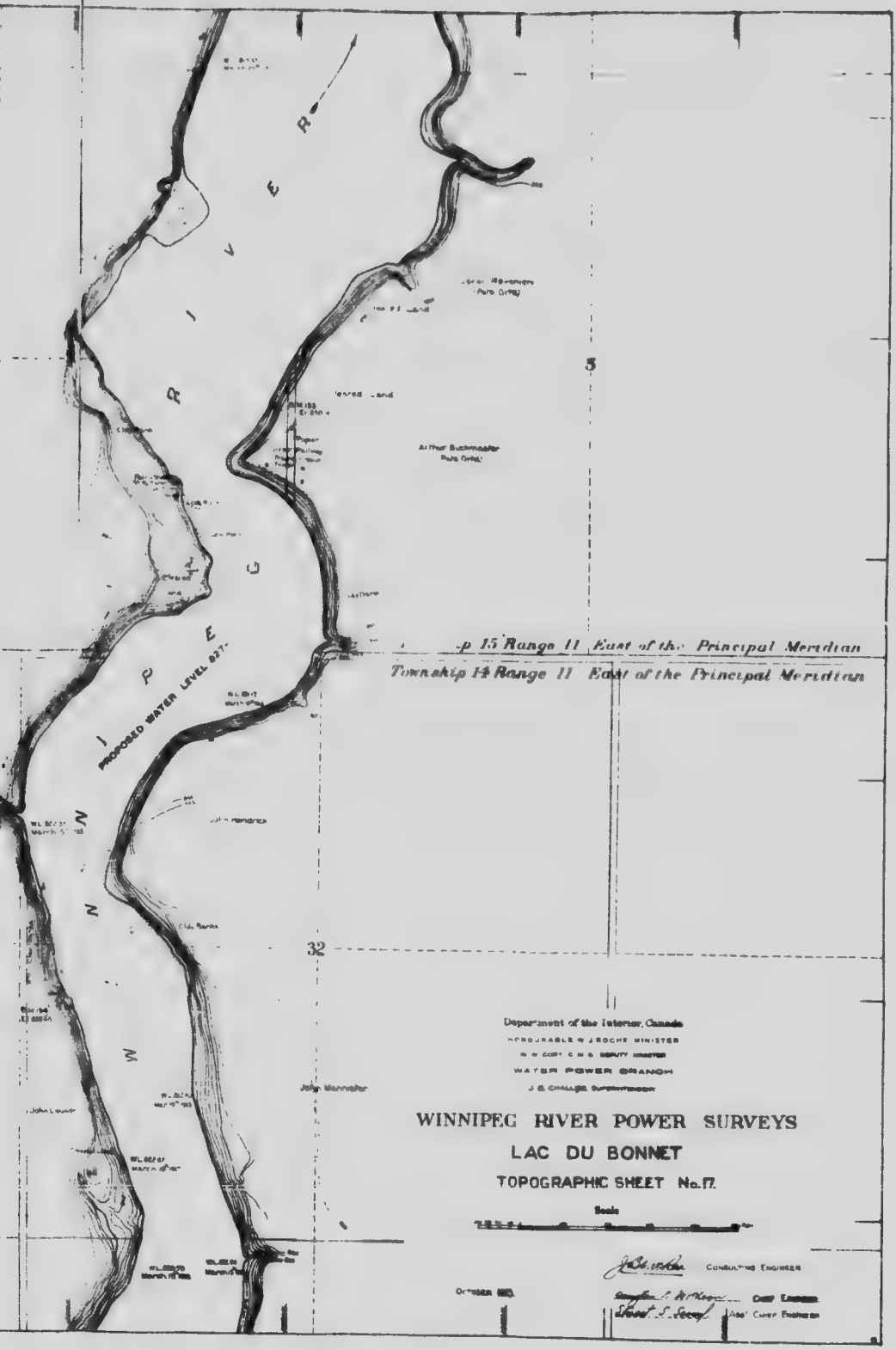
CHIEF ENGINEER

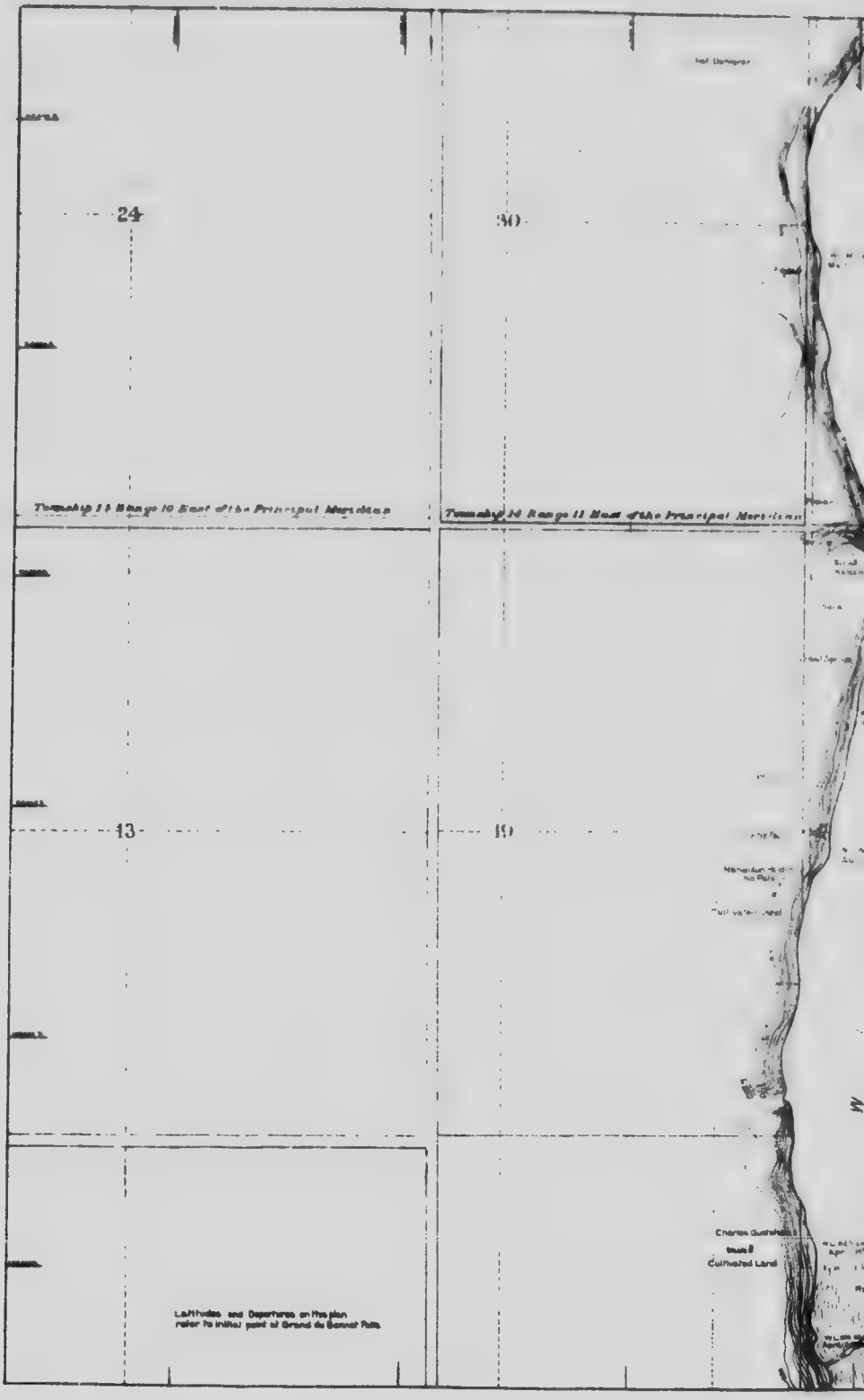
ASST. CHIEF ENGINEER

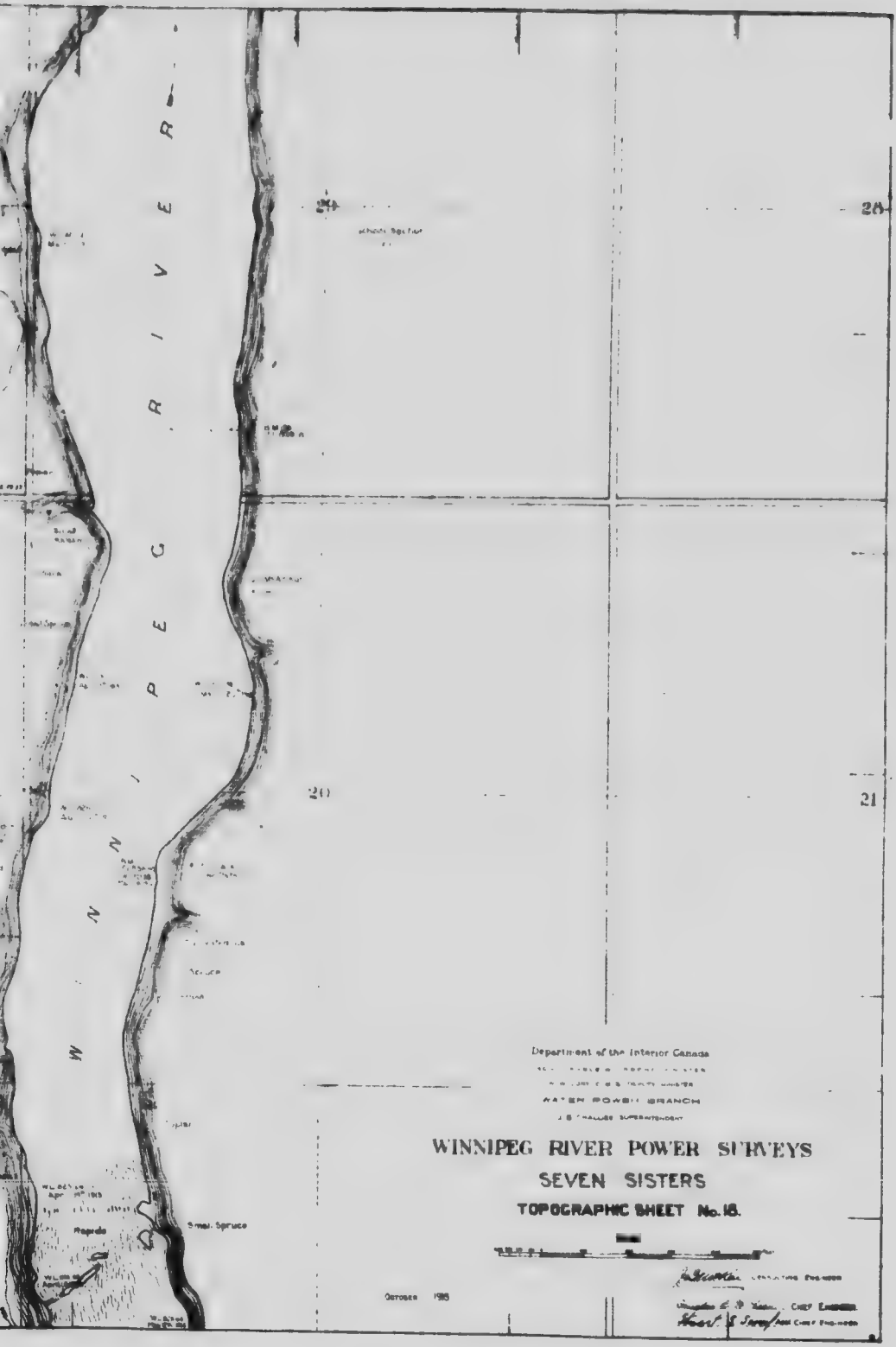
OCTOBER 1913.

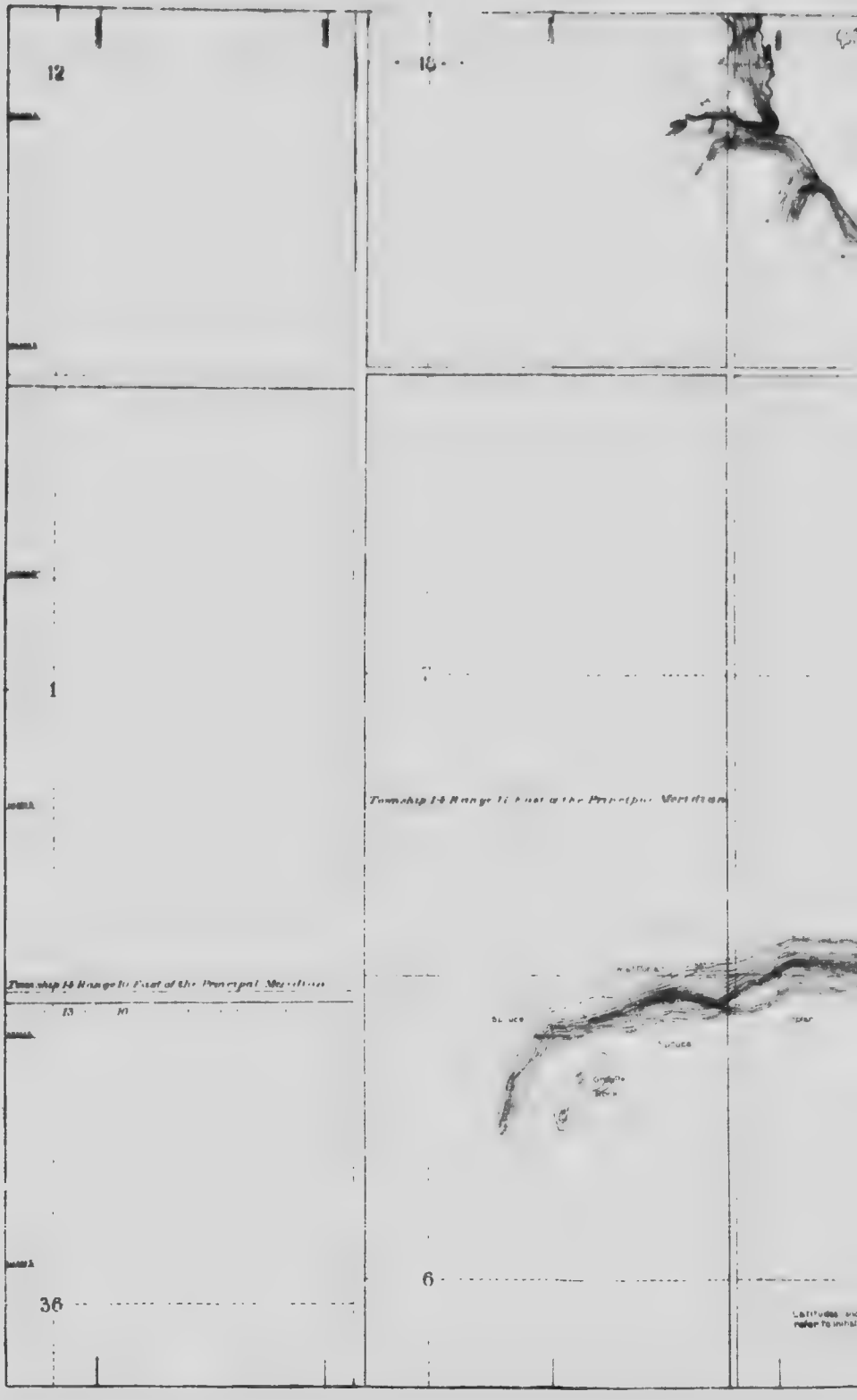
Latitudes and Departures on this sheet refer to a central point at Granite Beaver Falls

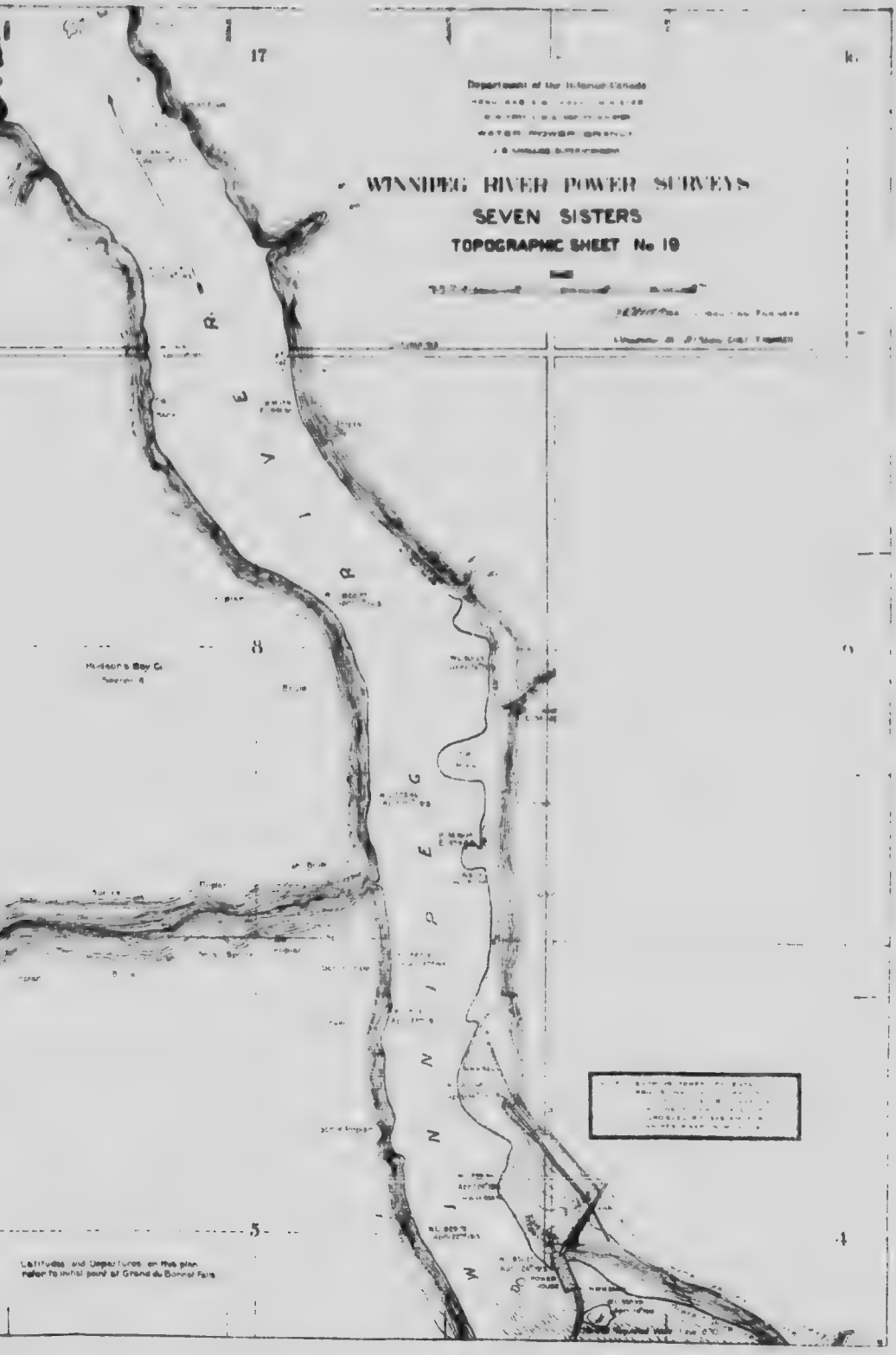
Principal Meridian
Township 14 Range 10 East of the
25
31
Latitudes and Departures on this plan
refer to initial point at Grand du Banner Falls.


WINNIPEG RIVER
PROPOSED WATER LEVEL 827'
Township 15 Range 11 East of the Principal Meridian
Township 14 Range 11 East of the Principal Meridian
5
32
Department of the Interior, Canada
HONOURABLE W J ROCHE MINISTER
WATER POWER BRANCH
WINNIPEG RIVER POWER SURVEYS
LAC DU BONNET
TOPOGRAPHIC SHEET No. 17.
Scale
CONSULTING ENGINEER
CHIEF ENGINEER
ASST CHIEF ENGINEER


24
30
Township 18 Range 10 East of the Principal Meridian
Township 18 Range 11 West of the Principal Meridian
13
19
Latitudes and Departures on this plan
refer to initial point at Grand du Banner Falls


WINNIPEG RIVER
20
21
Small Spruce
Rapids
Department of the Interior Canada
WATER POWER BRANCH
WINNIPEG RIVER POWER SURVEYS
SEVEN SISTERS
TOPOGRAPHIC SHEET No. 16.
October 1915

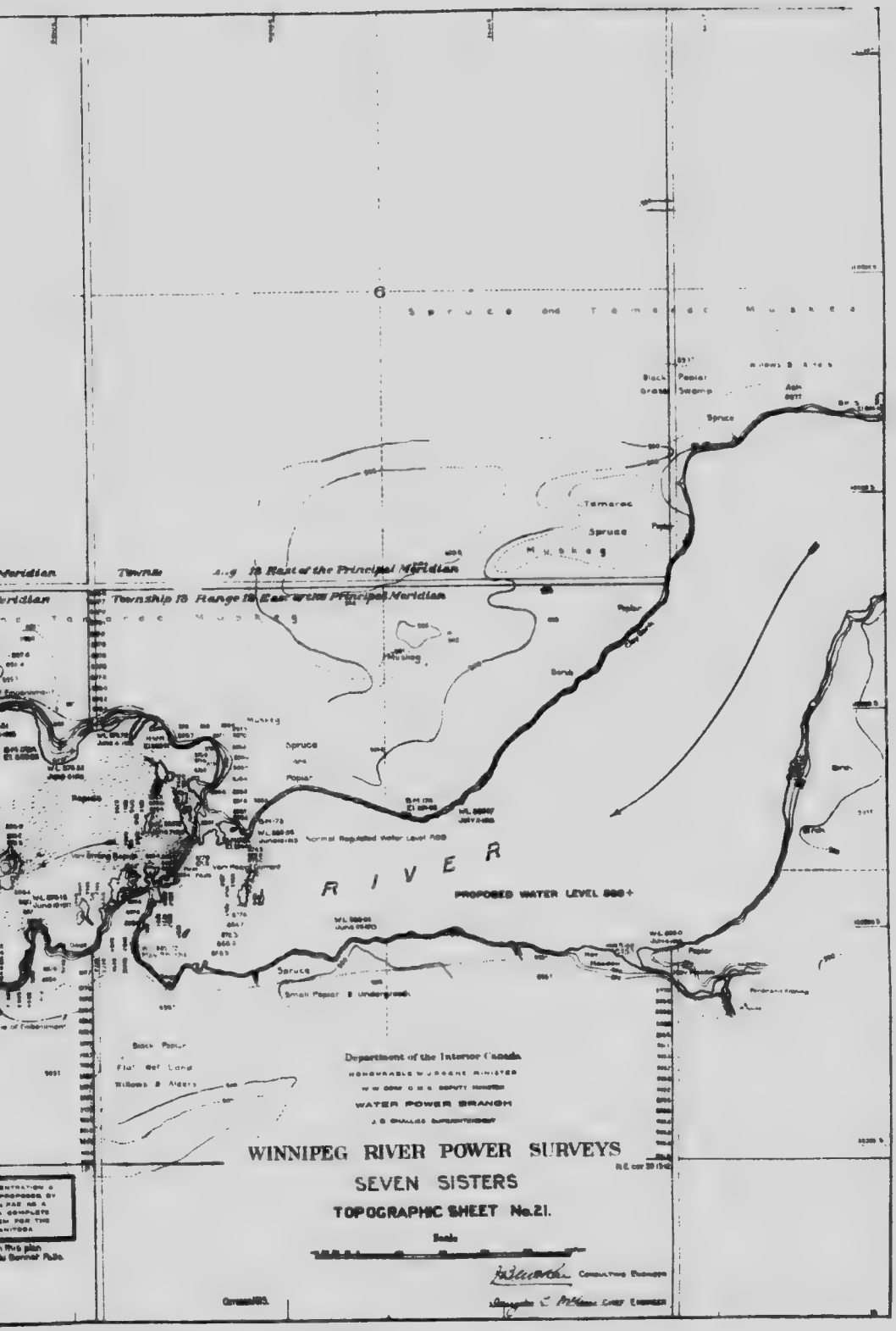

12
1
36
6

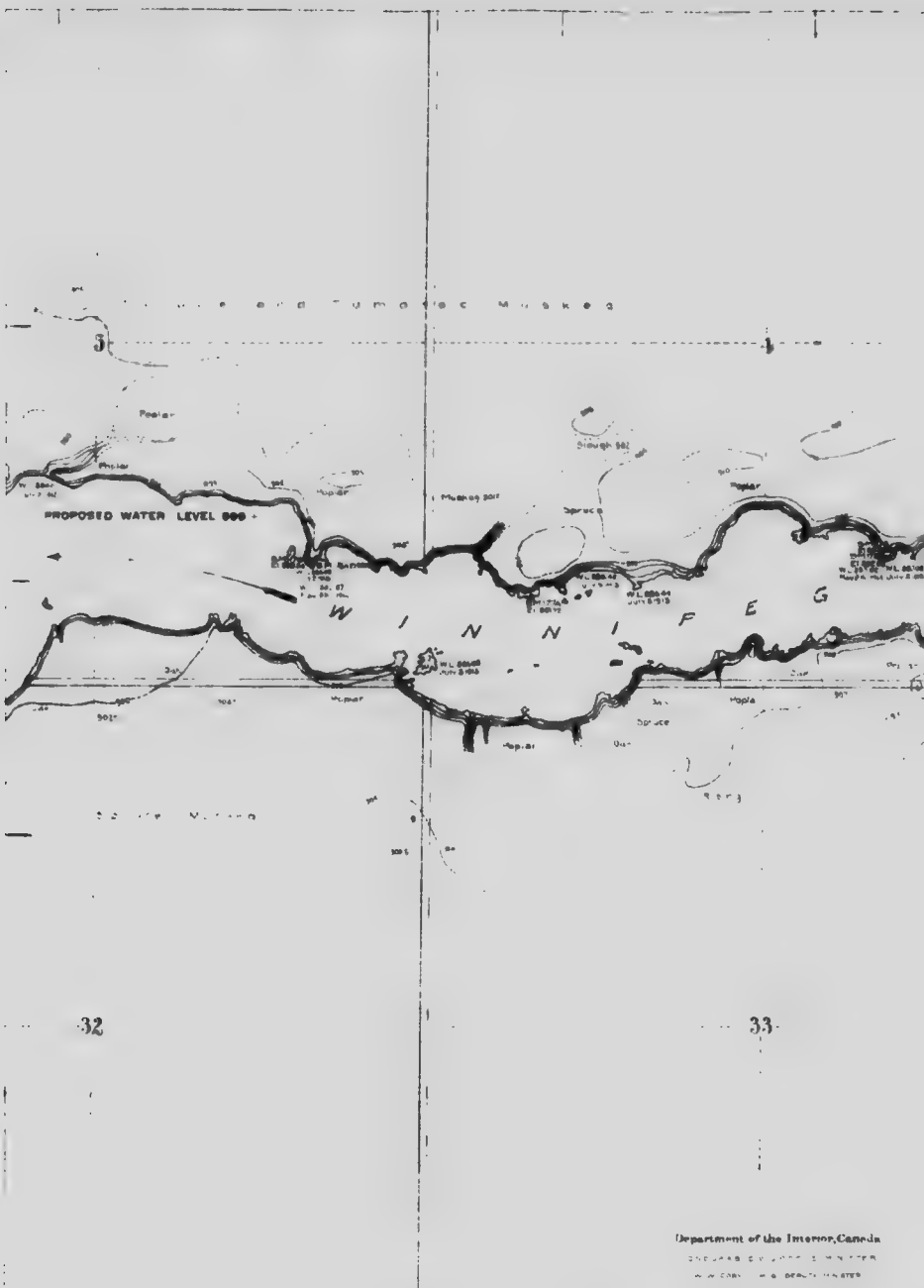

WINNIPEG RIVER POWER SURVEYS
SEVEN SISTERS
TOPOGRAPHIC SHEET No 19
WINNIPEG RIVER
Hudson's Bay Co.
Latitudes and Departures on this plan refer to initial point at Grand du Bonnet Falls

WINNIPEG
PROPOSED WATER LEVEL 870
WHITEMOUTH RIVER

34
PROPOSED WATER
LEVEL 870
RIVER
27
26
Department of the Interior, Canada
WATER POWER BRANCH
WINNIPEG RIVER POWER SURVEYS
SEVEN SISTERS
TOPOGRAPHIC SHEET No.20.

Township 14 Range 11 East of the Principal Meridian
Township 15 Range 11 East of the Principal Meridian
WINNIPEG
PROPOSED WATER LEVEL 670
Spruce
Balsam
Poplar
Fredi Jacks
Samuel Jacks
Latitudes and Departures on this plan refer to initial point at Grand du Bonnet Falls.


Township 18 Range 19 East of the Principal Meridian
Township 18 Range 18 East of the Principal Meridian
R I V E R
PROPOSED WATER LEVEL 860+
Department of the Interior Canada
WATER POWER BRANCH
WINNIPEG RIVER POWER SURVEYS
SEVEN SISTERS
TOPOGRAPHIC SHEET No.21.
Scale



Department of the Interior, Canada

WATER POWER BRANCH

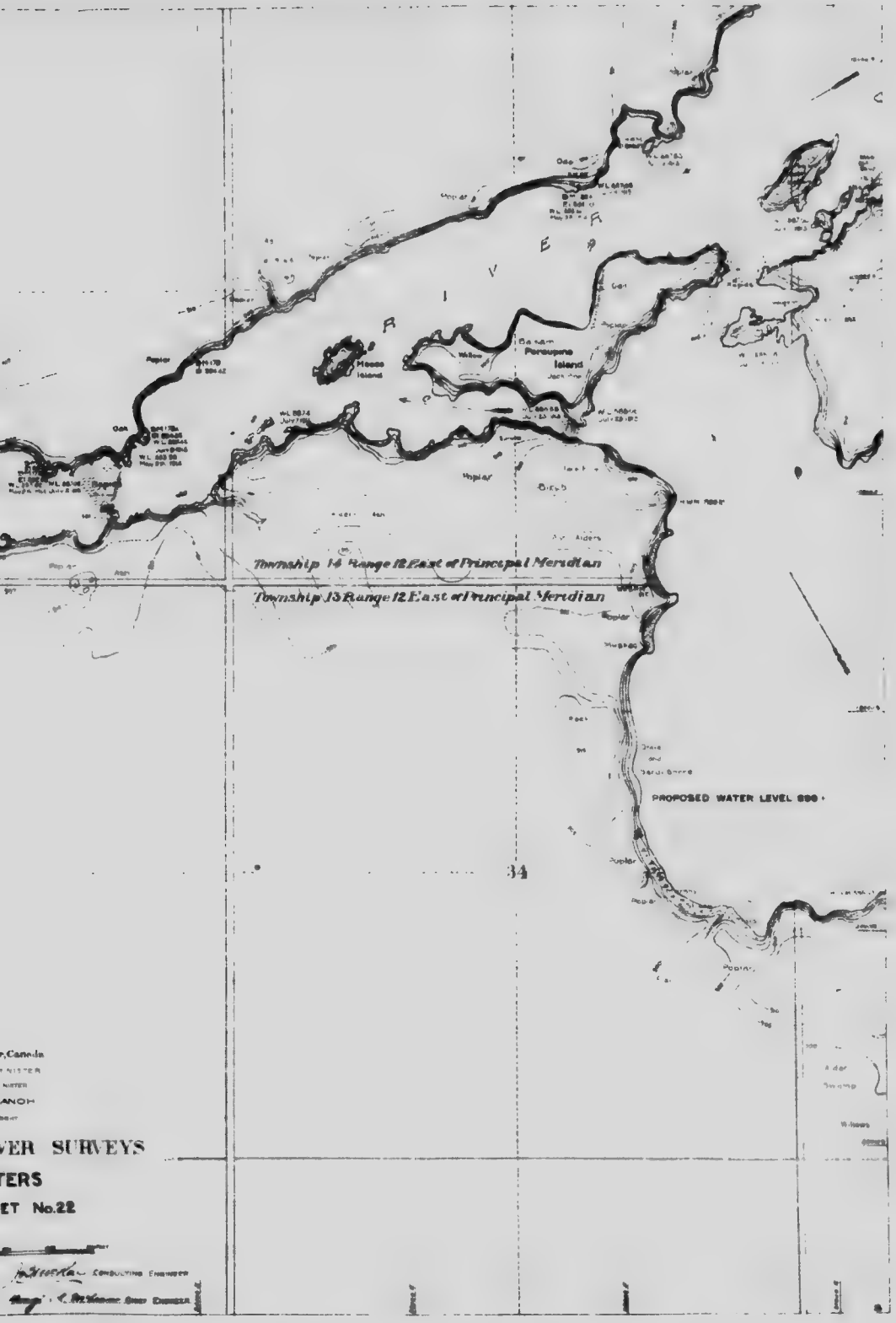
WINNIPEG RIVER POWER SU

SEVEN SISTERS

TOPOGRAPHIC SHEET No.22

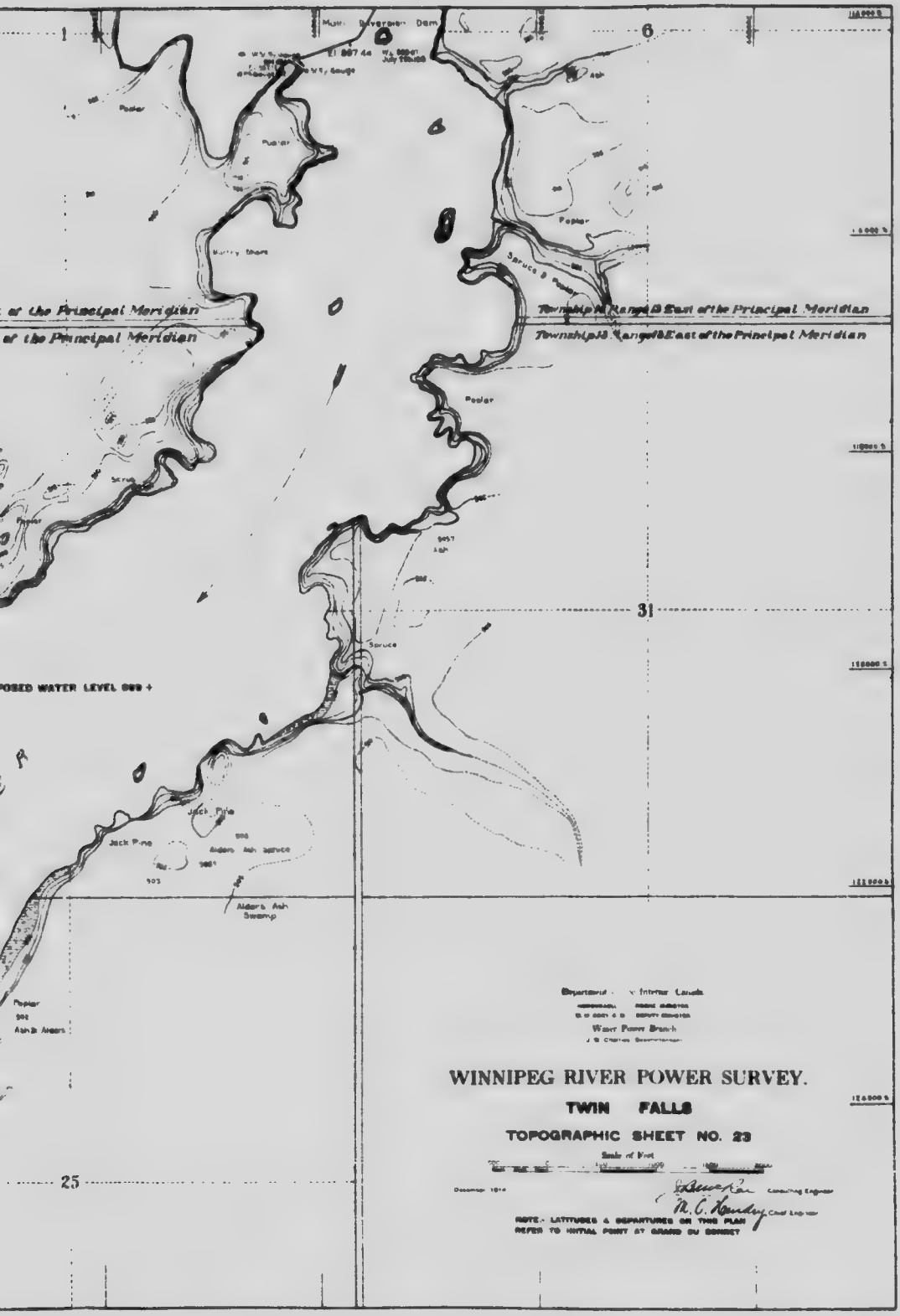
Scale

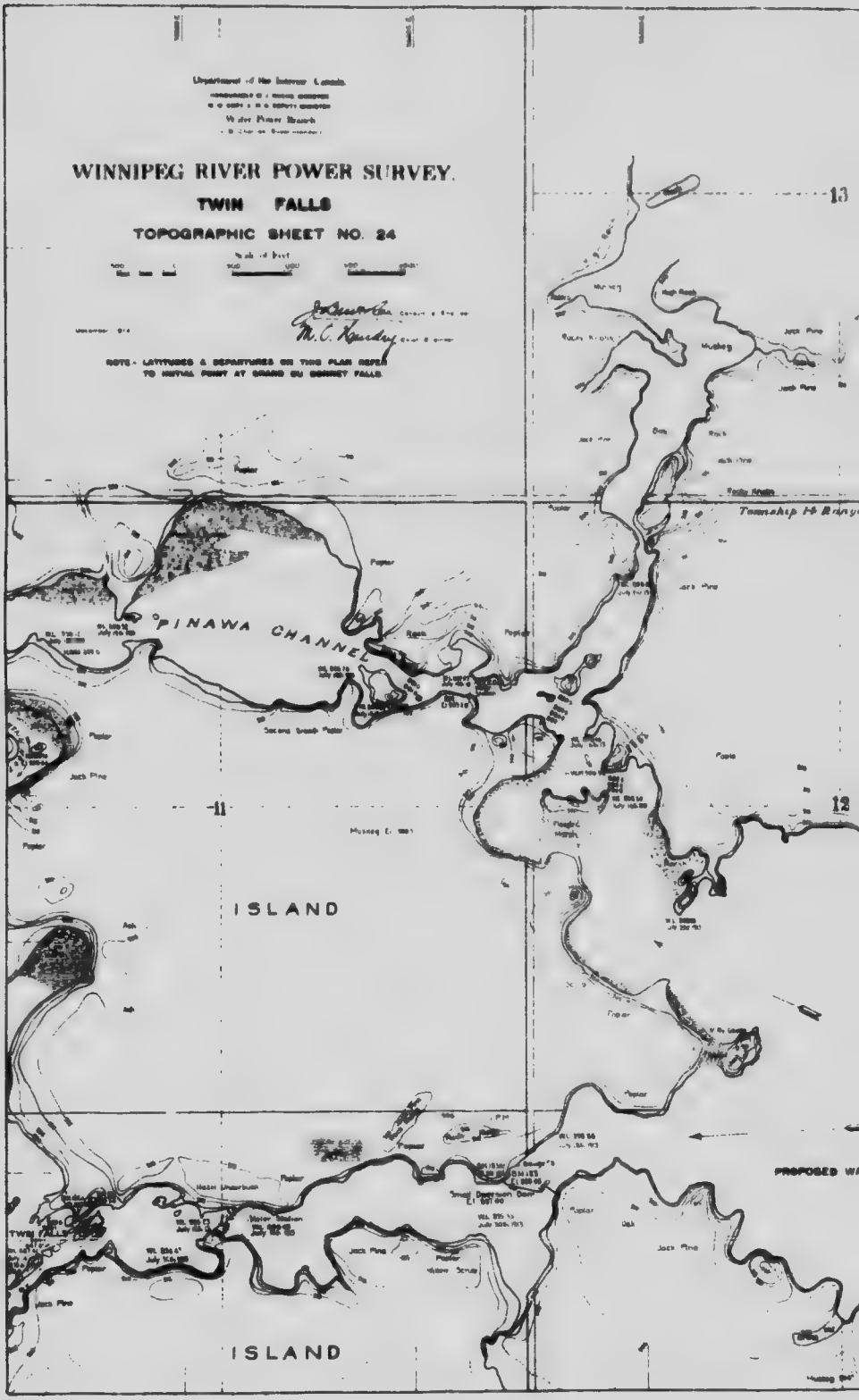
Latitudes and Depar... on this plan refer to burial post at Ground at Seven Falls

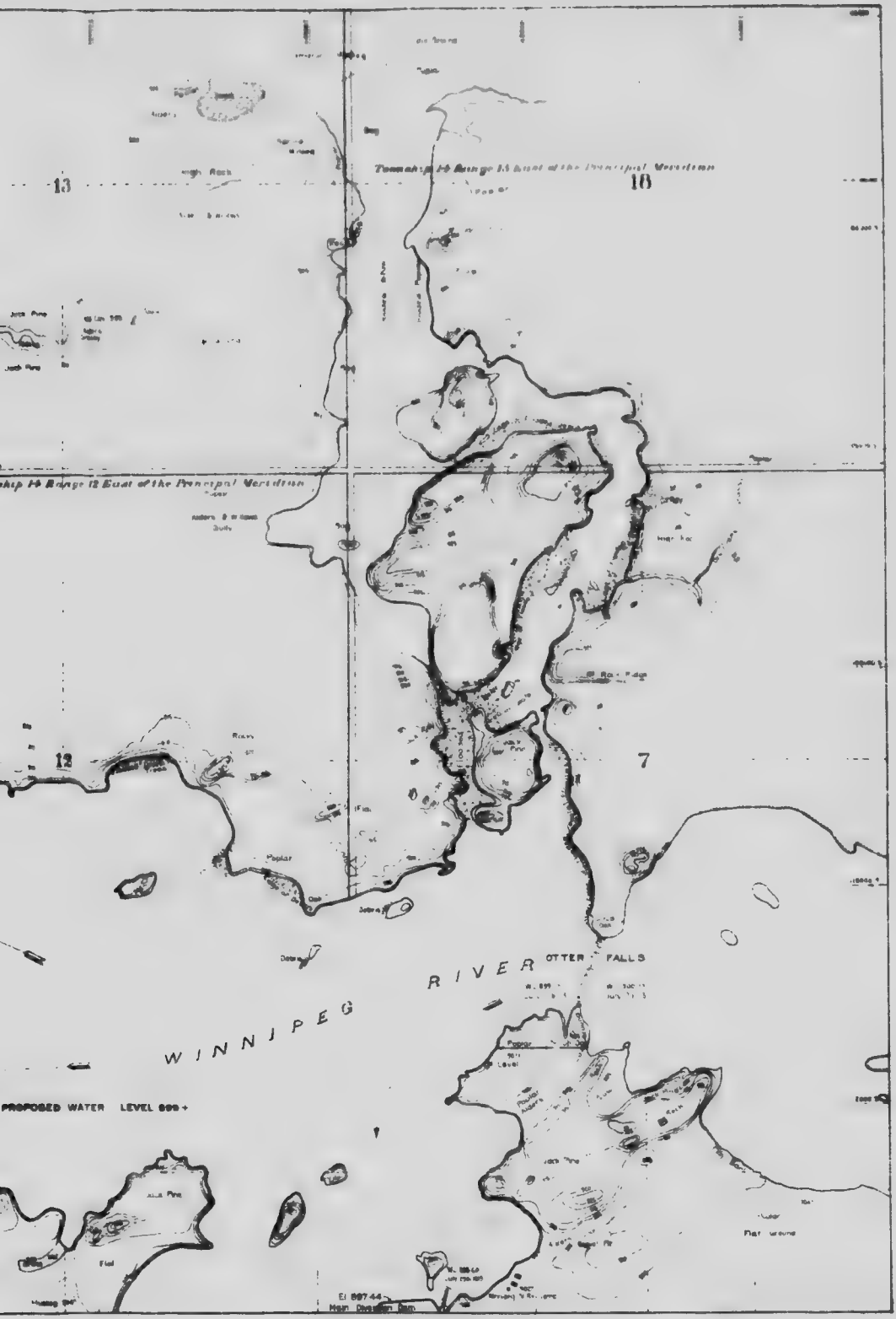

Township 14 Range 12 East of Principal Meridian
Township 13 Range 12 East of Principal Meridian
PROPOSED WATER LEVEL 690
34

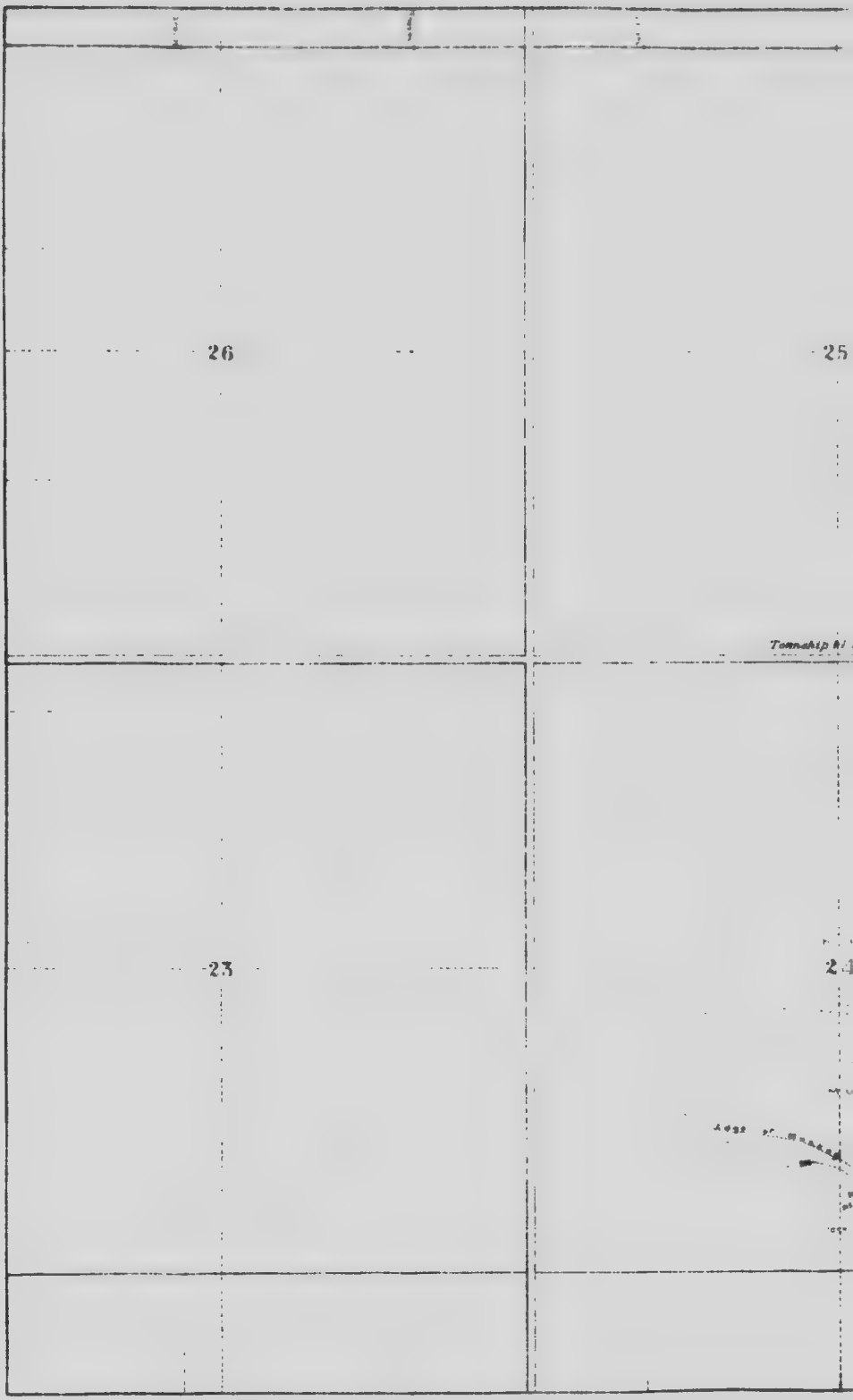
VER SURVEYS
TERS
ET No.22

ISLAND
Township 14 Range 12 East of the Pri
Township 13 Range 12 East of the Pri
PROPOSED WATER
WINNIPEG RIVER
Spruce
Muskeg
Poplar
Ash
Jack Pine
Sandy Shore
Soft Clay Marshy Shore
Elev 901?
2
1
35
26
25


Main Diversion Dam
El 867.44
W.L. 866.81
July 1915
W.W.S. Gauge
Poplar
Murray Island
Spruce & Poplar
Township 4 Range 8 East of the Principal Meridian
Township 4 Range 9 East of the Principal Meridian
Township 5 Range 8 East of the Principal Meridian
Township 5 Range 9 East of the Principal Meridian
Spruce
Jack Pine
Aldens Ash
Alders Ash Spruce
Alders Ash Swamp
Ash & Alders
POSED WATER LEVEL 868 +
1
6
31
25
Department of the Interior Canada
Water Power Branch
WINNIPEG RIVER POWER SURVEY.
TWIN FALLS
TOPOGRAPHIC SHEET NO. 23
Scale of Feet
December 1914
Consulting Engineer
Chief Engineer
NOTE.- LATITUDES & DEPARTURES ON THIS PLAN
REFER TO INITIAL POINT AT GRAND DU BONNET


WINNIPEG RIVER POWER SURVEY.
TWIN FALLS
TOPOGRAPHIC SHEET NO. 24
PINAWA CHANNEL
ISLAND
ISLAND
11
12
13


13
18
12
7
WINNIPEG RIVER
OTTER FALLS
PROPOSED WATER LEVEL 899+


26
25
23

Department of the Interior Canada
Water Power Branch

WINNIPEG RIVER POWER SURVEY

OTTER FALLS

TOPOGRAPHIC SHEET NO. 24 A

J. Stewart
M. C. Hawley

NOTE - LATITUDES & DEPARTURES ON THIS PLAN REFER TO INITIAL POINT AT GRAND OU BONNET FALLS

25

Township 81 Range 12 East of the Principal Meridian

Township 14 Range 13 East of the Principal Meridian

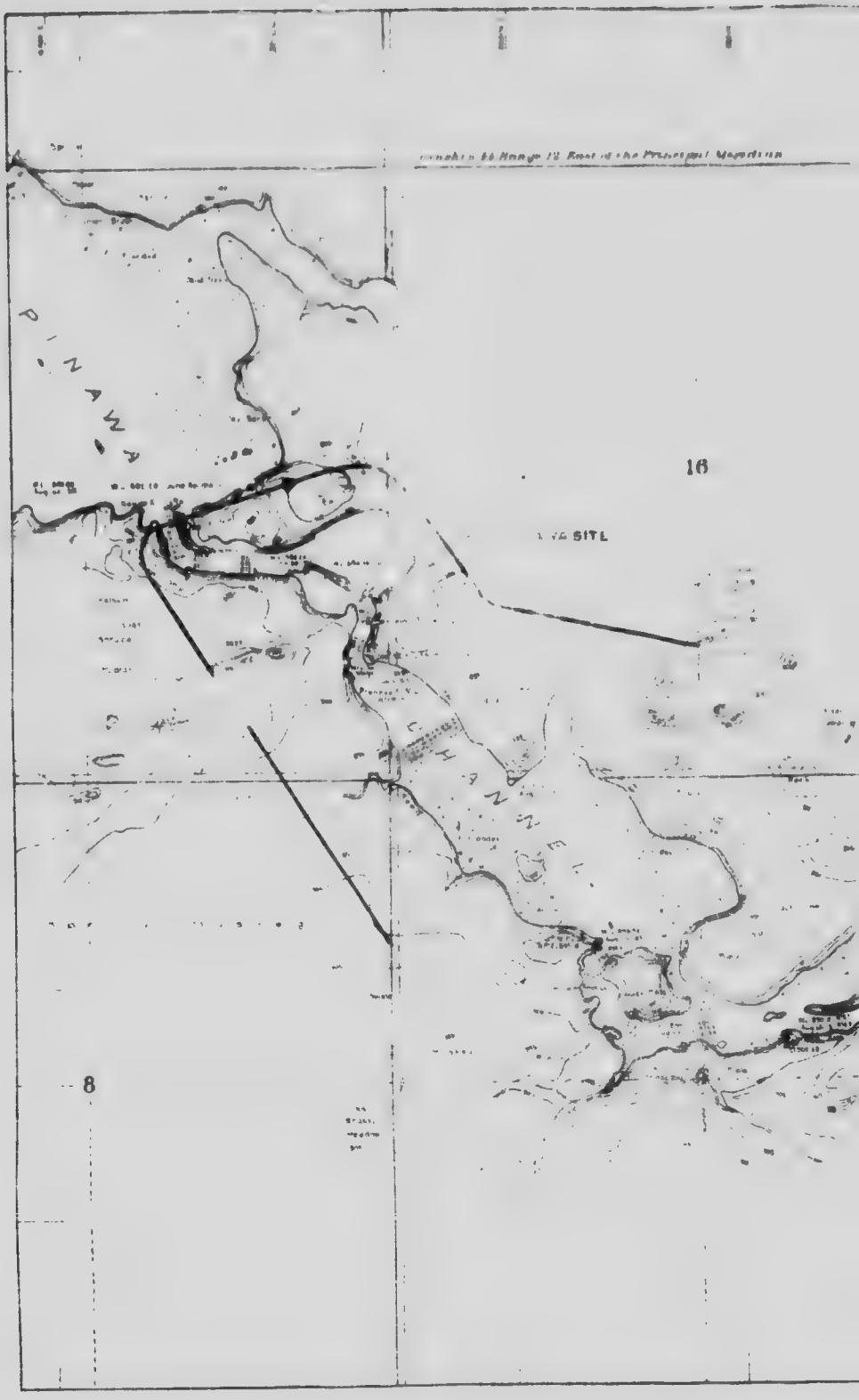
24

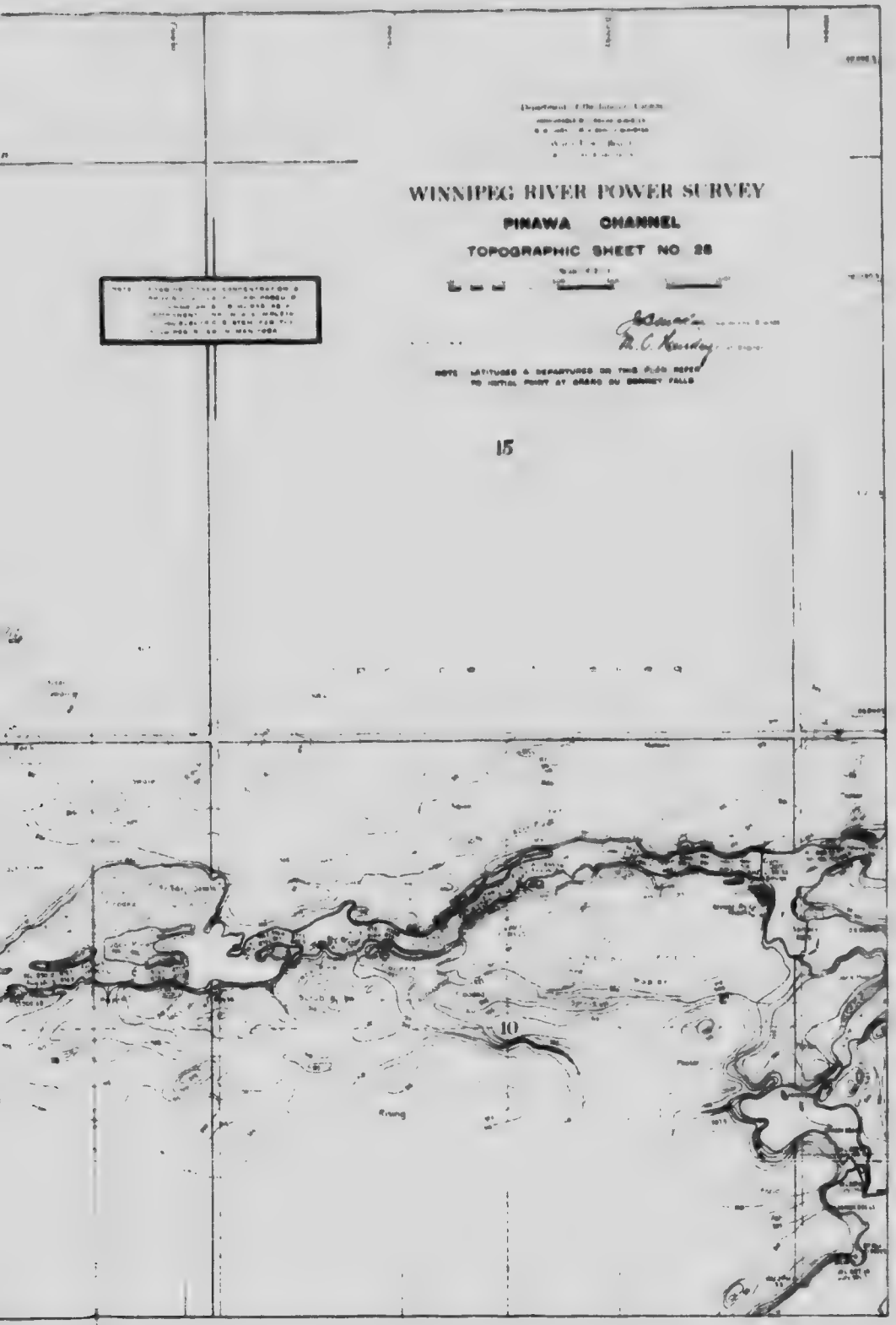
19

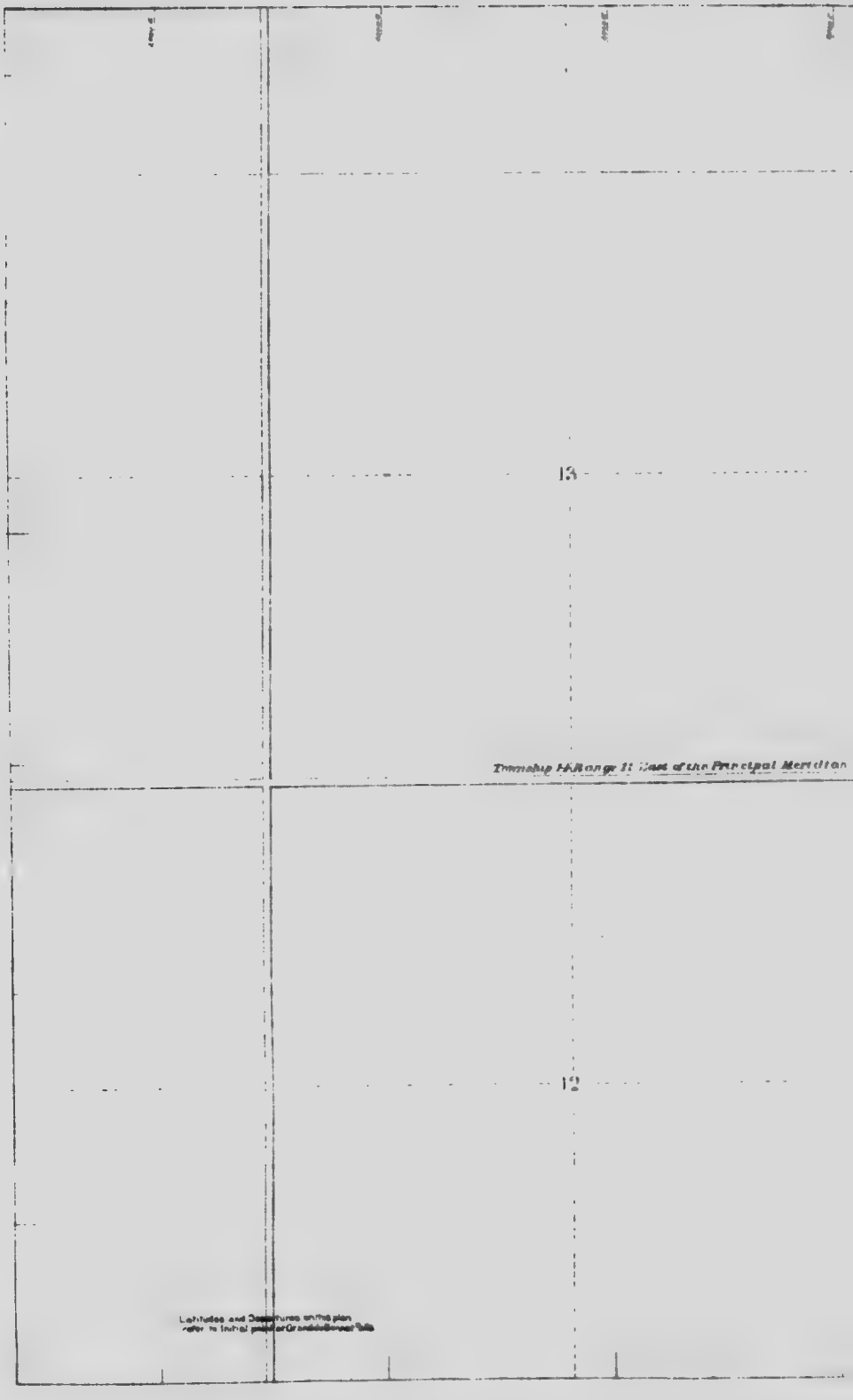
Poplar

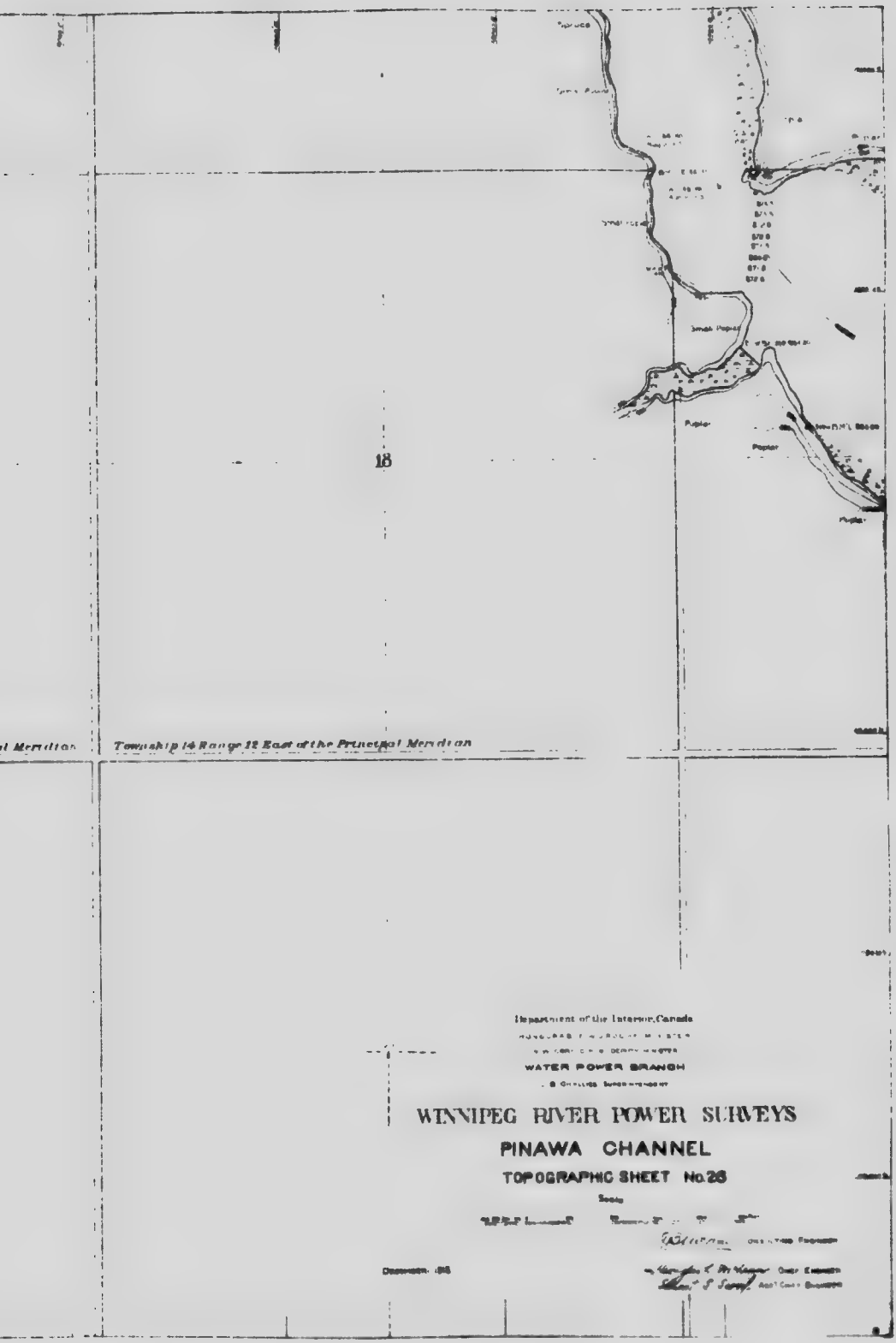
Poplar

Poplar


16
8


WINNIPEG RIVER POWER SURVEY
PINAWA CHANNEL
TOPOGRAPHIC SHEET NO 28
15
10


13
Township 44 Range 11 West of the Principal Meridian
12
Latitudes and Departures on this plan



Department of the Interior, Canada

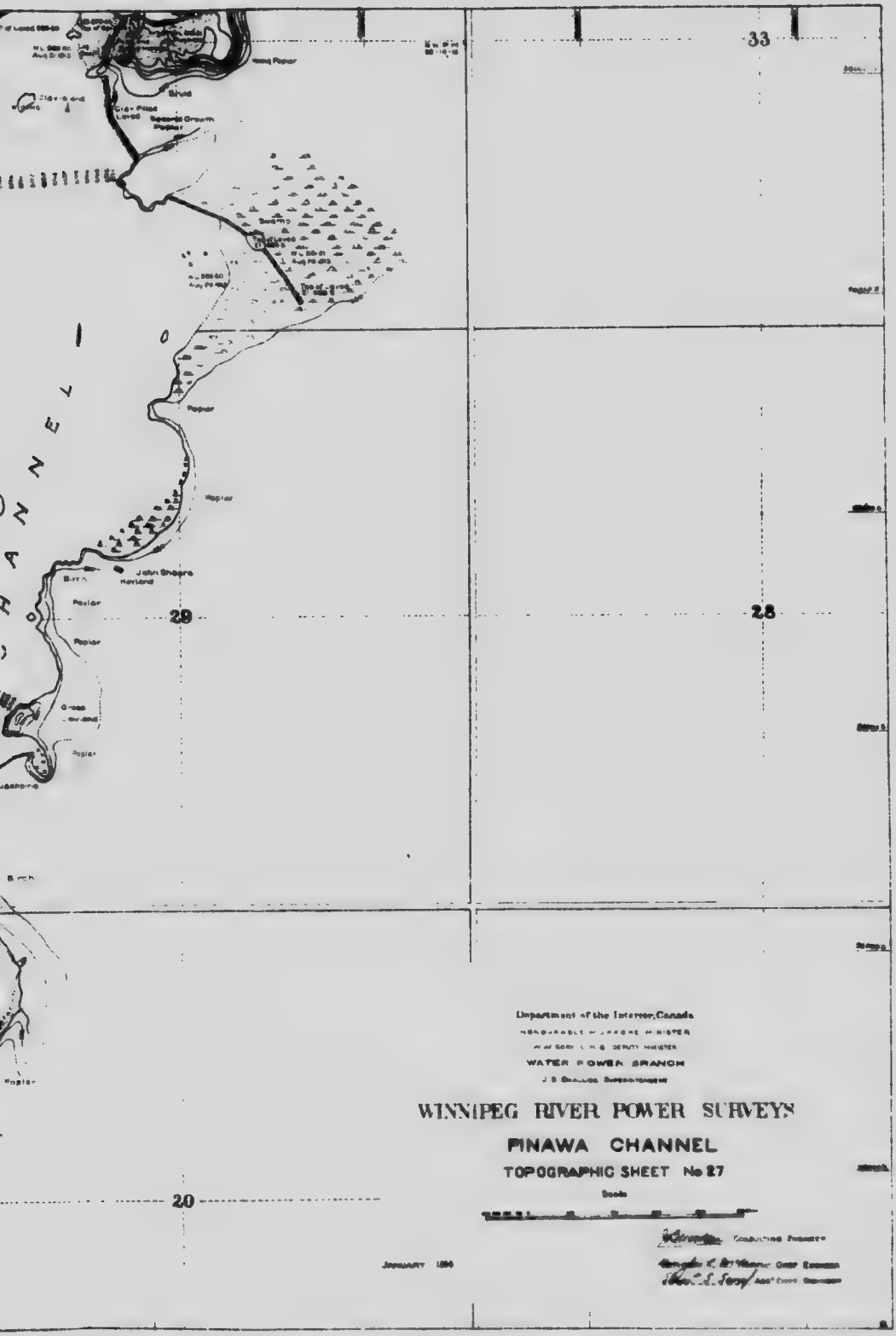
WATER POWER BRANCH

WINNIPEG RIVER POWER SURVEYS

PINAWA CHANNEL

TOPOGRAPHIC SHEET No. 26

31
30
19
Township 14 Range 12 East of the Principal Meridian
CHANNEL
PINAWA



Department of the Interior, Canada

HONOURABLE W J ROCHE M P MINISTER

W W CORY C M G DEPUTY MINISTER

WATER POWER BRANCH

J B CHALLIES SUPERINTENDENT

WINNIPEG RIVER POWER SURVEYS

PINAWA CHANNEL

TOPOGRAPHIC SHEET No 27

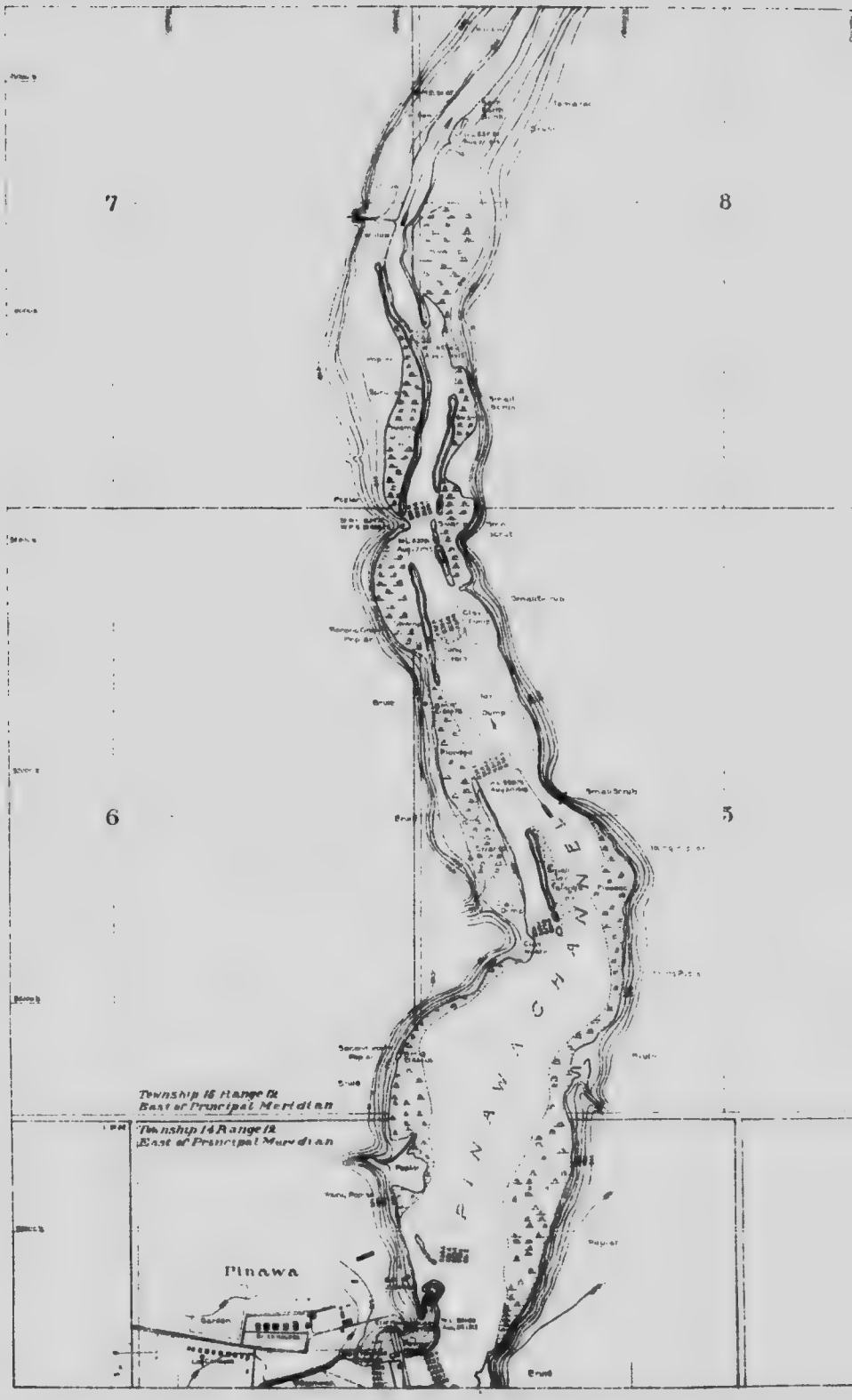
Scale

Consulting Engineer

Chief Engineer

Asst Chief Engineer

JANUARY 1914


7
8
6
5
Township 15 Range 12
East of Principal Meridian
Township 14 Range 12
East of Principal Meridian
Pinawa
PINAWA CHANNEL

9

4

Department of the Interior Canada

WATER POWER BRANCH

WINNIPEG RIVER POWER SURVEYS

PINAWA CHANNEL

TOPOGRAPHIC SHEET No.28

Latitudes and Departures on this plan refer to Initial point at Grenade Seven Falls

JANUARY 1914

20
17
CHANNEL
PINAWA
Township 15 Range 12 E.P.
Latitudes and Departures on this p
initial point at Grand-du-Banner

Department of the Interior, Canada

Water Power Branch

WINNIPEG RIVER POWER SURVEYS

PINAWA CHANNEL

TOPOGRAPHIC SHEET No 28.

Scale

J. C. Mackenzie, Consulting Engineer

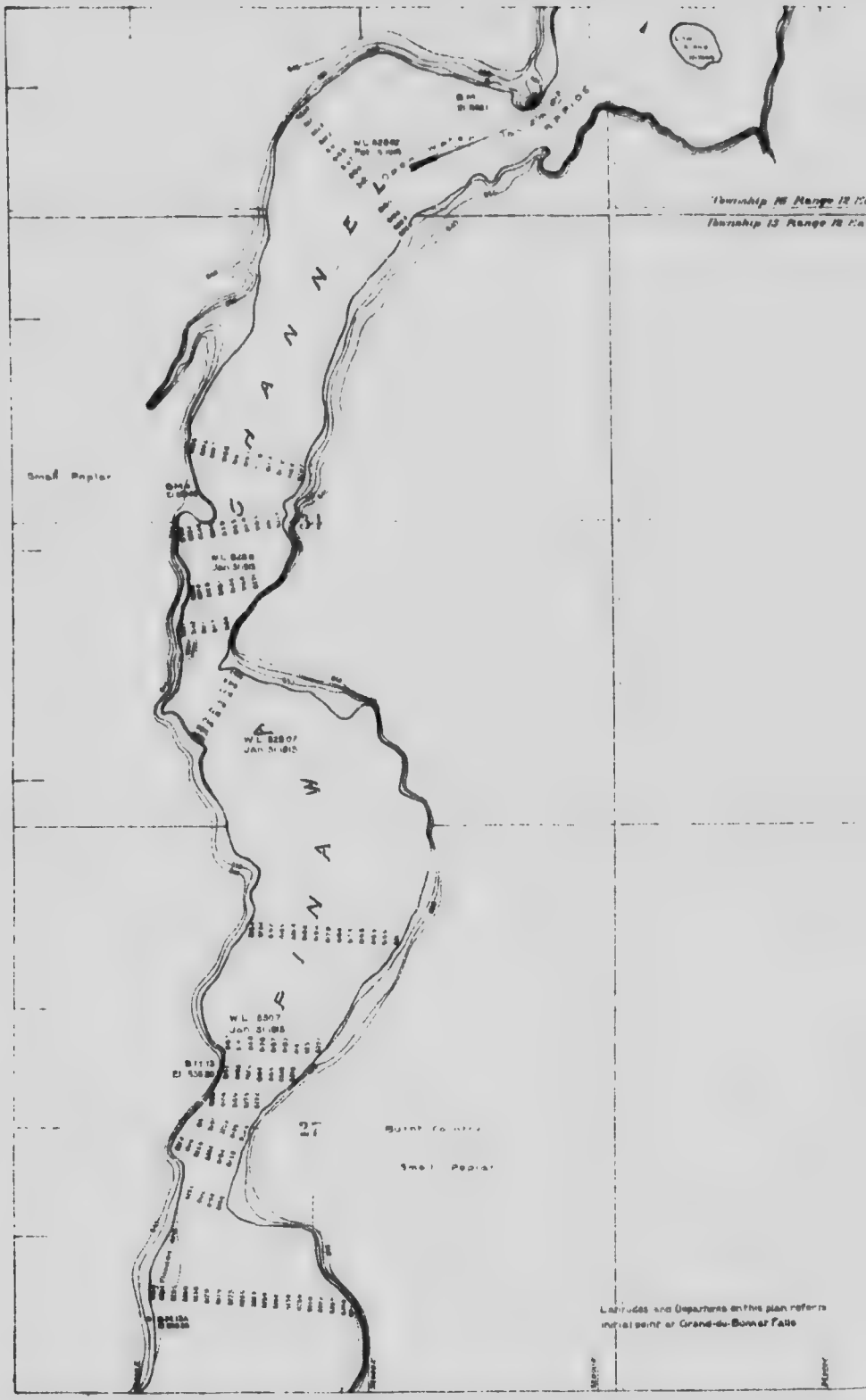
January 1914

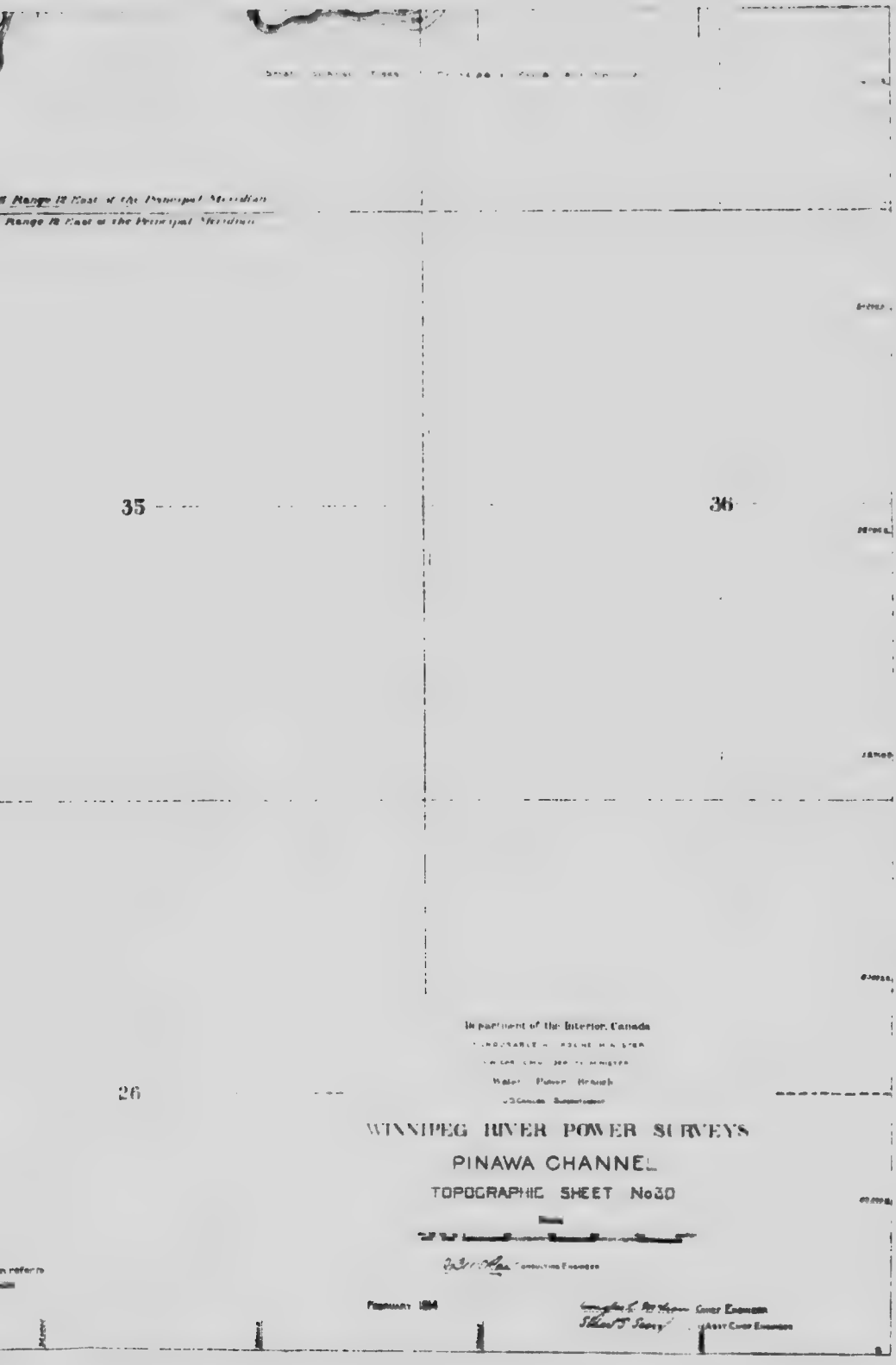
Chief Engineer

Asst Chief Engineer

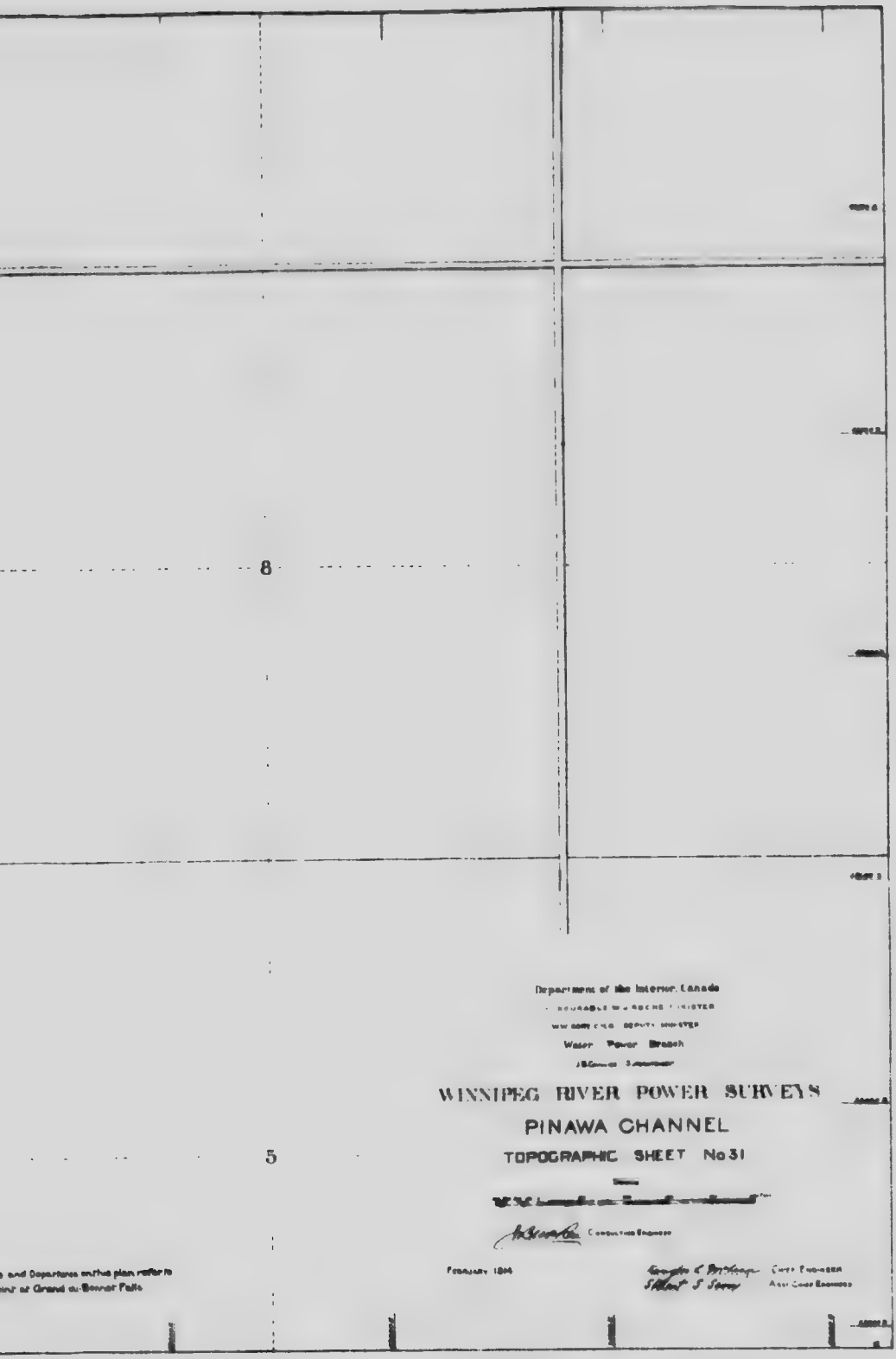
...ge 12 E.D.M.

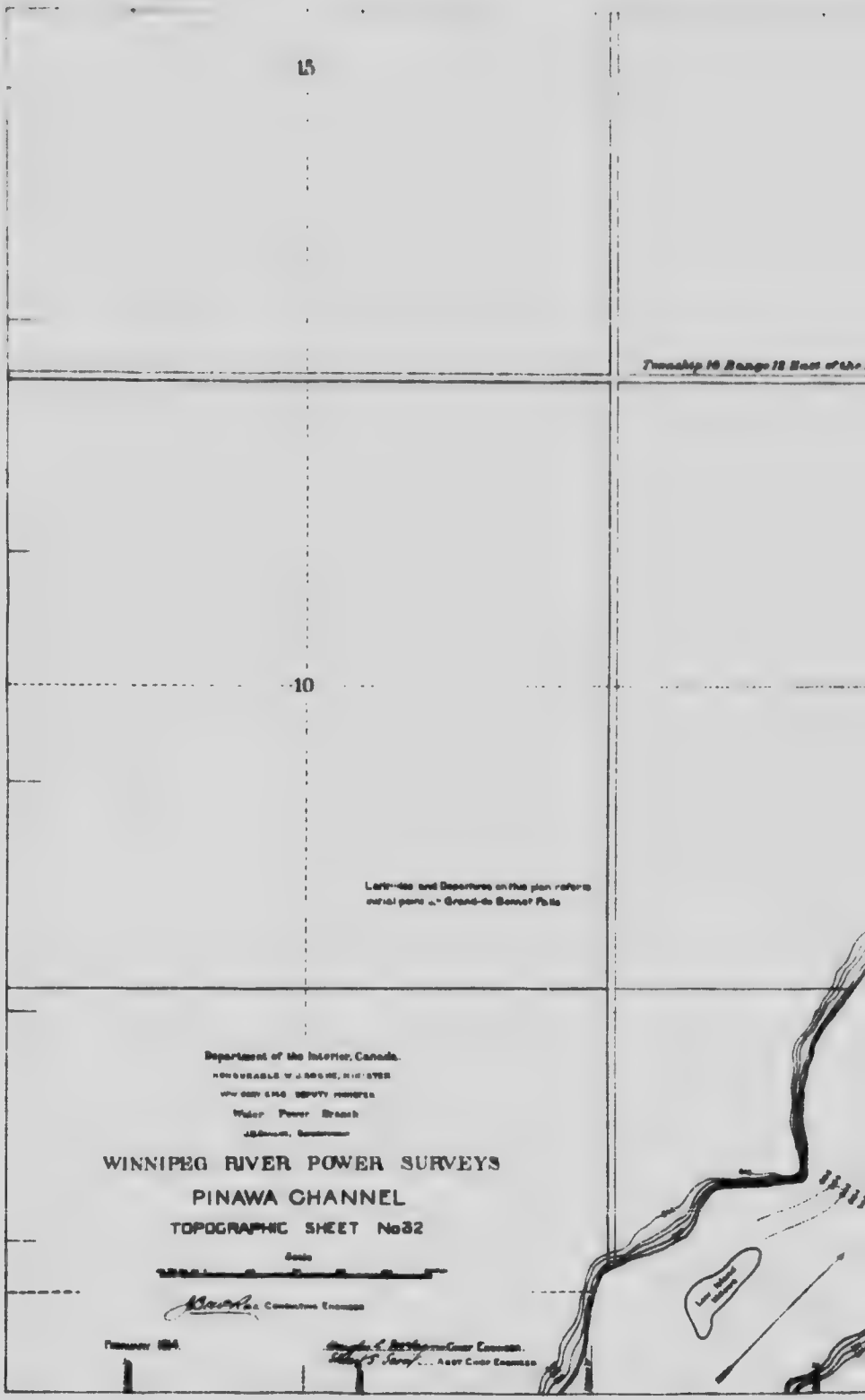
...partures on this plan refer to ...rand-du-Banner Falls


Township 16 Range 12
Township 13 Range 16
Small Poplar
27
Small Poplar
Latitudes and Departures on this plan refer to
initial point at Grand-du-Bonnet Falls


Range 19 East of the Principal Meridian
Range 18 East of the Principal Meridian
35
36
26
Department of the Interior, Canada
Water Power Branch
WINNIPEG RIVER POWER SURVEYS
PINAWA CHANNEL
TOPOGRAPHIC SHEET No30
February 1914

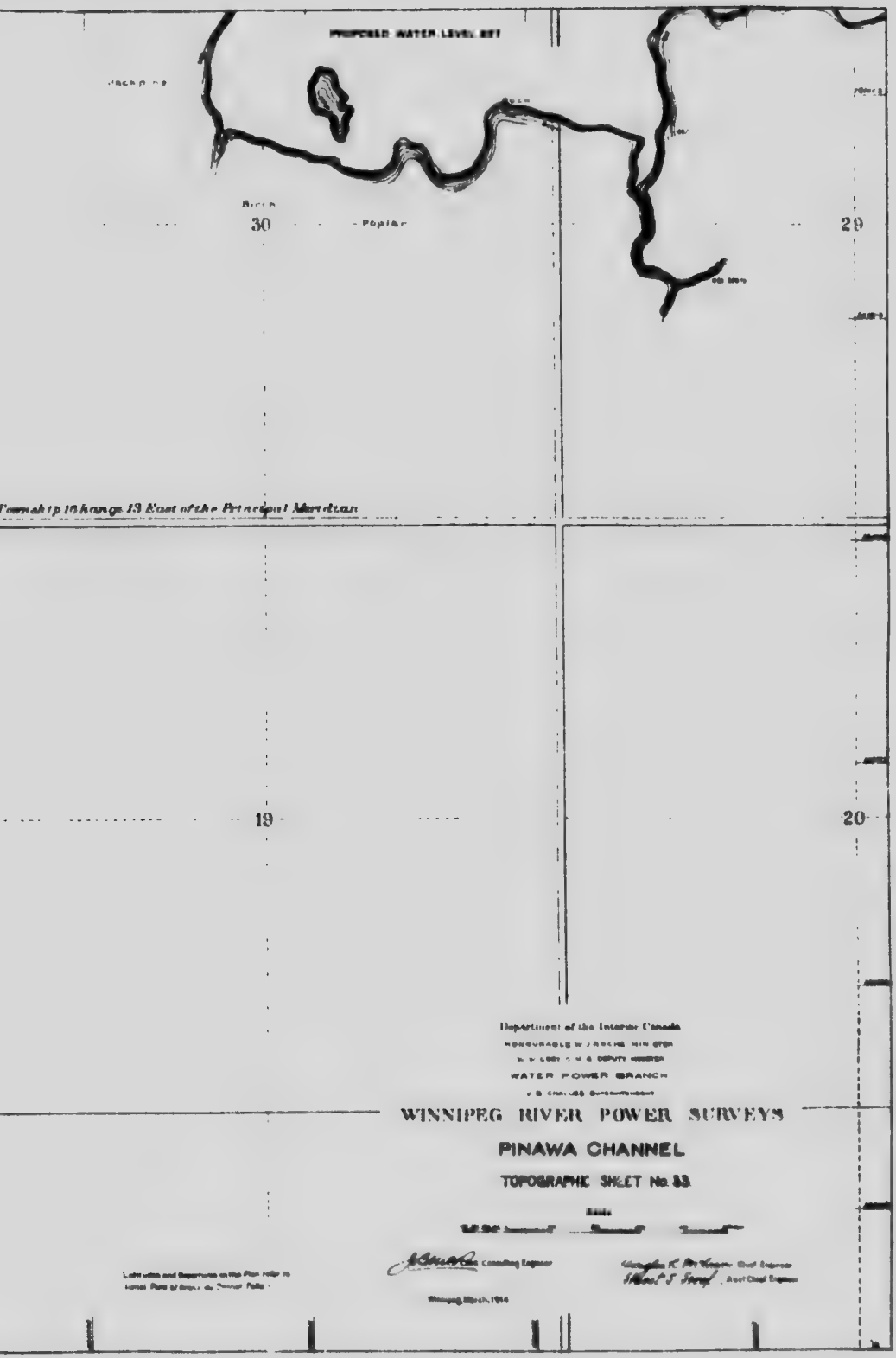
7
Spruce
Poplar
Clay Bank
BAY IN
PROPOSED WATER LEVEL 927
PINAWA CHANNEL


8
5
Department of the Interior, Canada
Water Power Branch
WINNIPEG RIVER POWER SURVEYS
PINAWA CHANNEL
TOPOGRAPHIC SHEET No 31
February 1914

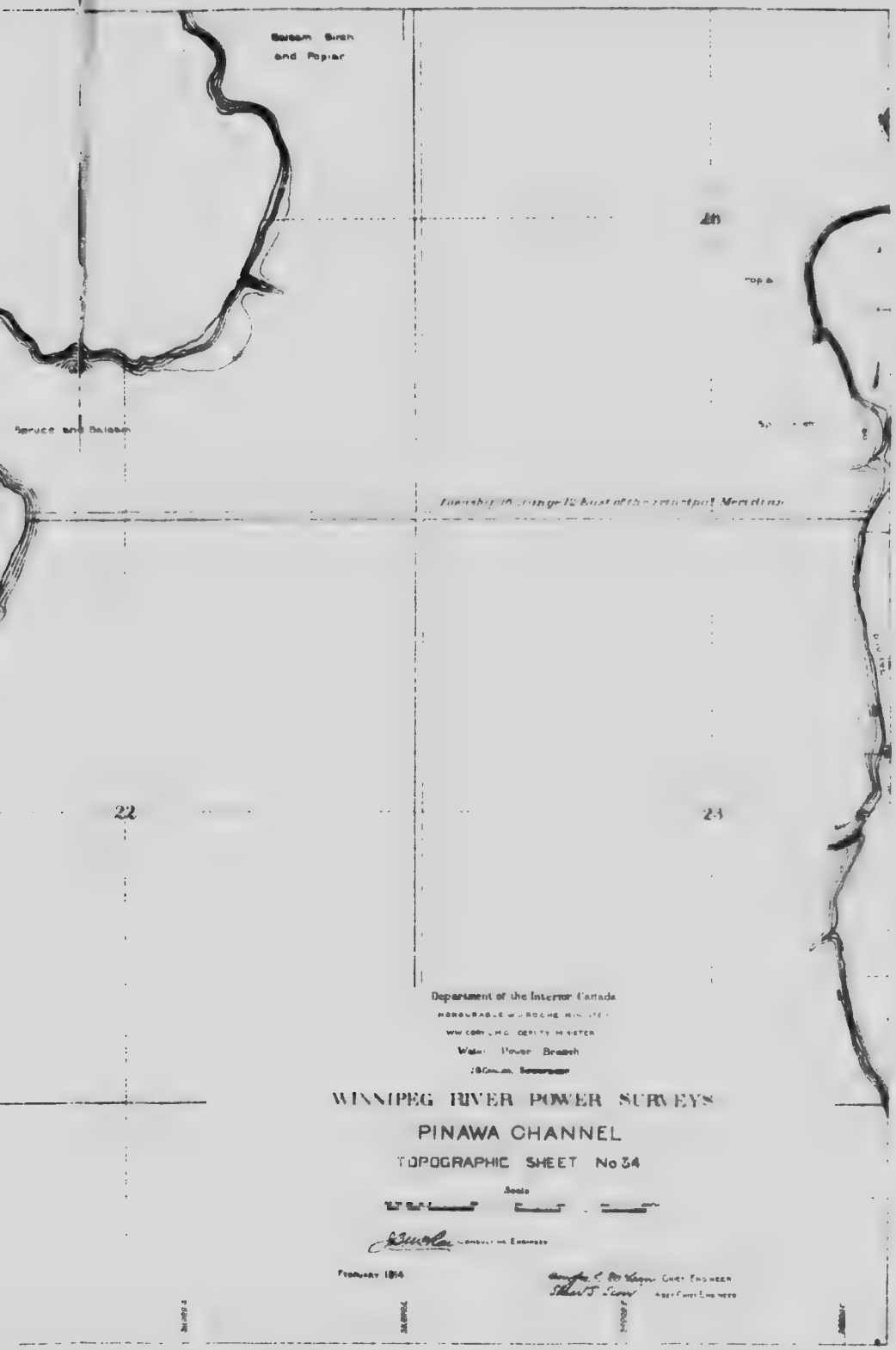

15
Township 10 Range 11 East of the
10
Latitudes and Departures on this plan referred
initial point at Grand-de Bonnet Falls
Department of the Interior, Canada.
Water Power Branch
WINNIPEG RIVER POWER SURVEYS
PINAWA CHANNEL
TOPOGRAPHIC SHEET No32
Scale
Commissioner Engineer
February 1914.
Chief Geographer and Chief Commissioner.
Assistant Geographer and Assistant Commissioner.

PROPOSED WATER LEVEL EST
Spruce and Poplar
Highland
Small Poplar
PROPOSED WATER LEVEL EST

PROPOSED WATER LEVEL 937
25
Poplar
Balsam
Spruce
Township 19 Range 12 East of the Principal Meridian
Township 19
Poplar and Spruce
24
PROPOSED WATER LEVEL 937
Township 19 Range 13 East of the Principal Meridian
Township 19 Range 13 East of the Principal Meridian


PROPOSED WATER LEVEL 887
30
Poplar
29
Township 16 Range 13 East of the Principal Meridian
19
20
Department of the Interior Canada
WATER POWER BRANCH
WINNIPEG RIVER POWER SURVEYS
PINAWA CHANNEL
TOPOGRAPHIC SHEET No 33
Consulting Engineer
Winnipeg March 1914

W.L. 881.76
Nov 30 1912
Spruce Sw
Granite
Latitudes and Departures on this plan refer to
initial point at Grand du Bonnet Falls



Department of the Interior Canada

HONOURABLE W J ROCHE MINISTER

W W CORY C.M.G. DEPUTY MINISTER

Water Power Branch

J.B.Challies, Superintendent

WINNIPEG RIVER POWER SURVEYS

PINAWA CHANNEL

TOPOGRAPHIC SHEET No 34

Scale

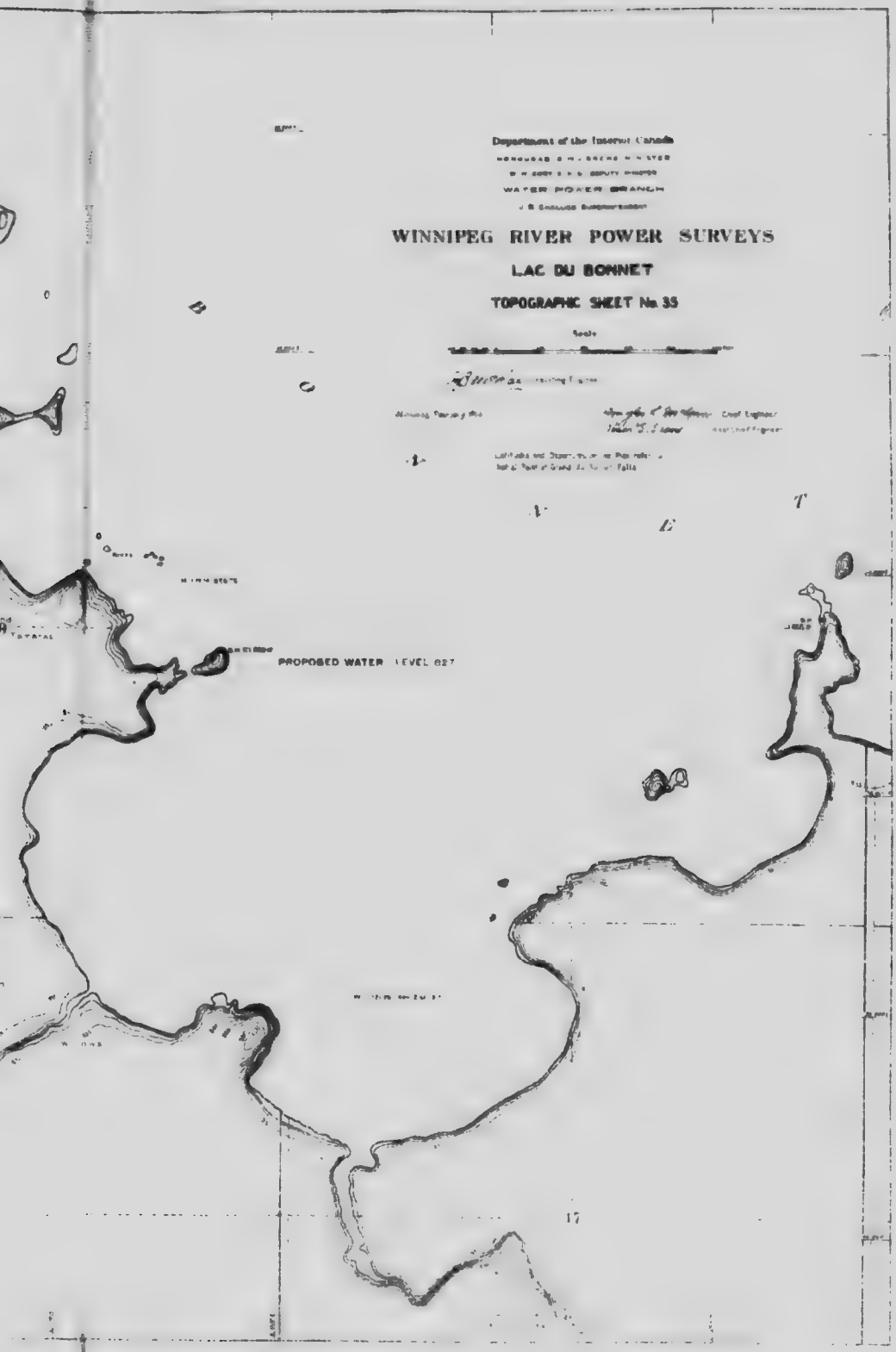
Consulting Engineer

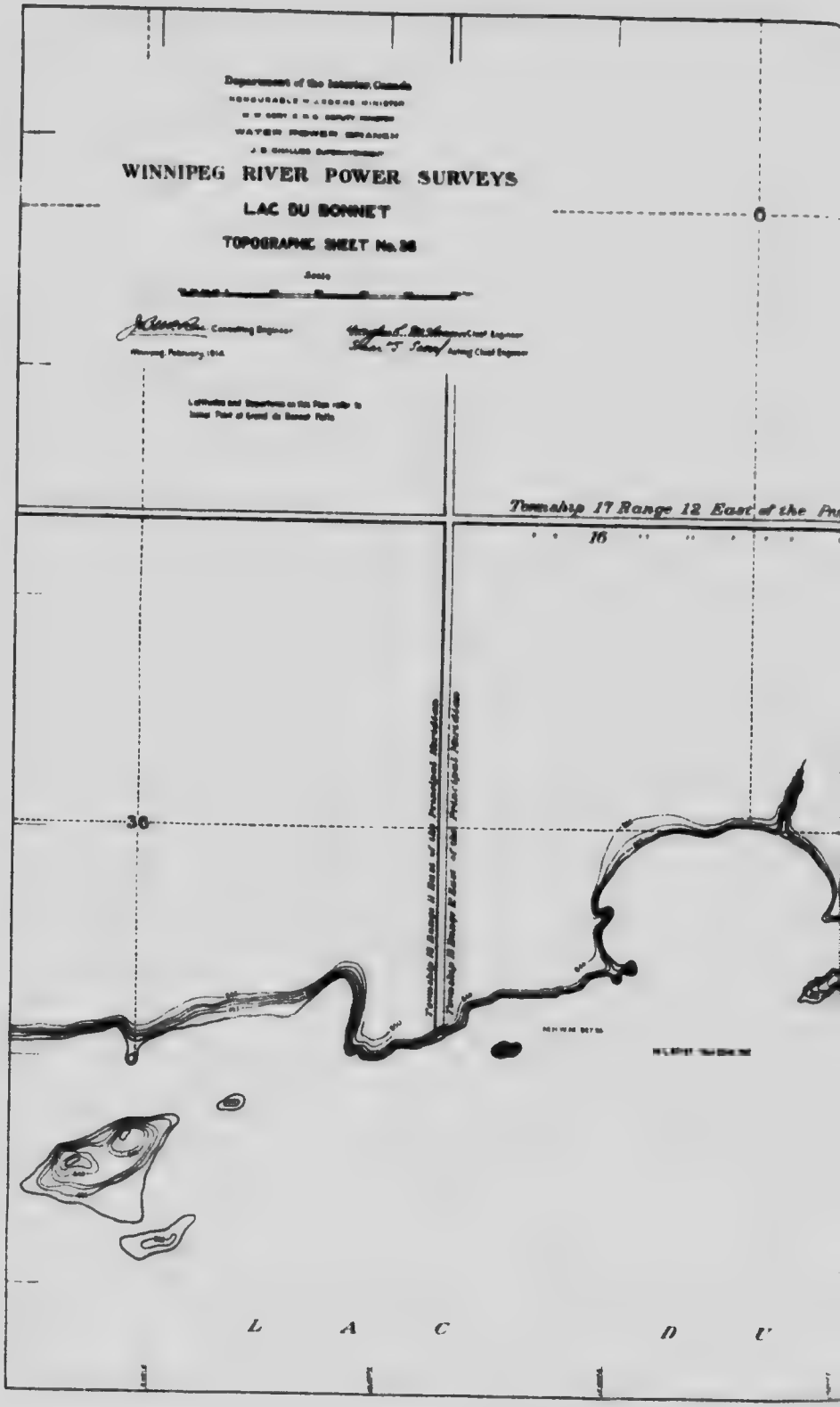
February 1914

Chief Engineer

Asst Chief Engineer

24
19
13
15

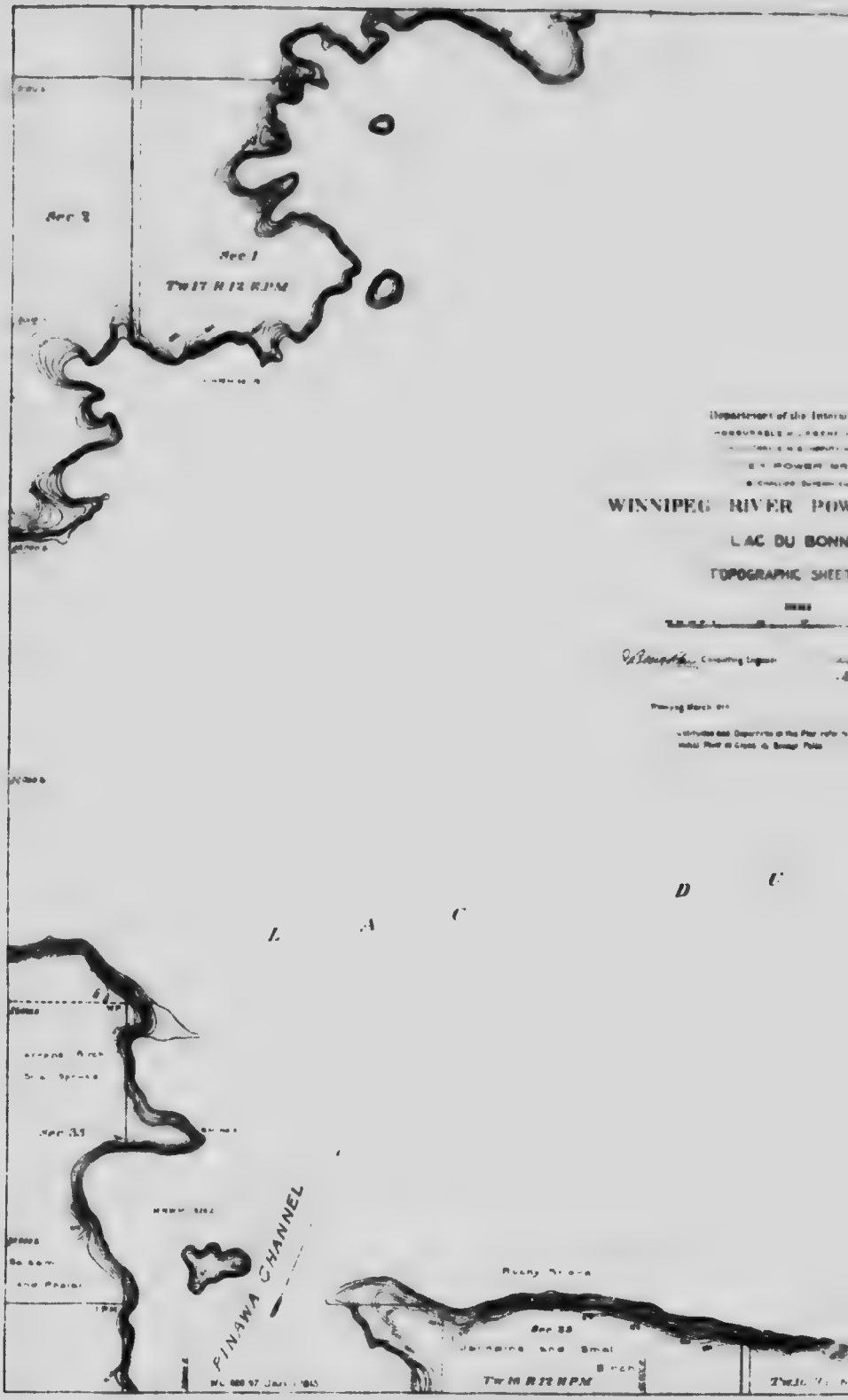

Department of the Interior Canada
WATER POWER BRANCH
WINNIPEG RIVER POWER SURVEYS
LAC DU BONNET
TOPOGRAPHIC SHEET No. 35
PROPOSED WATER LEVEL 827
17

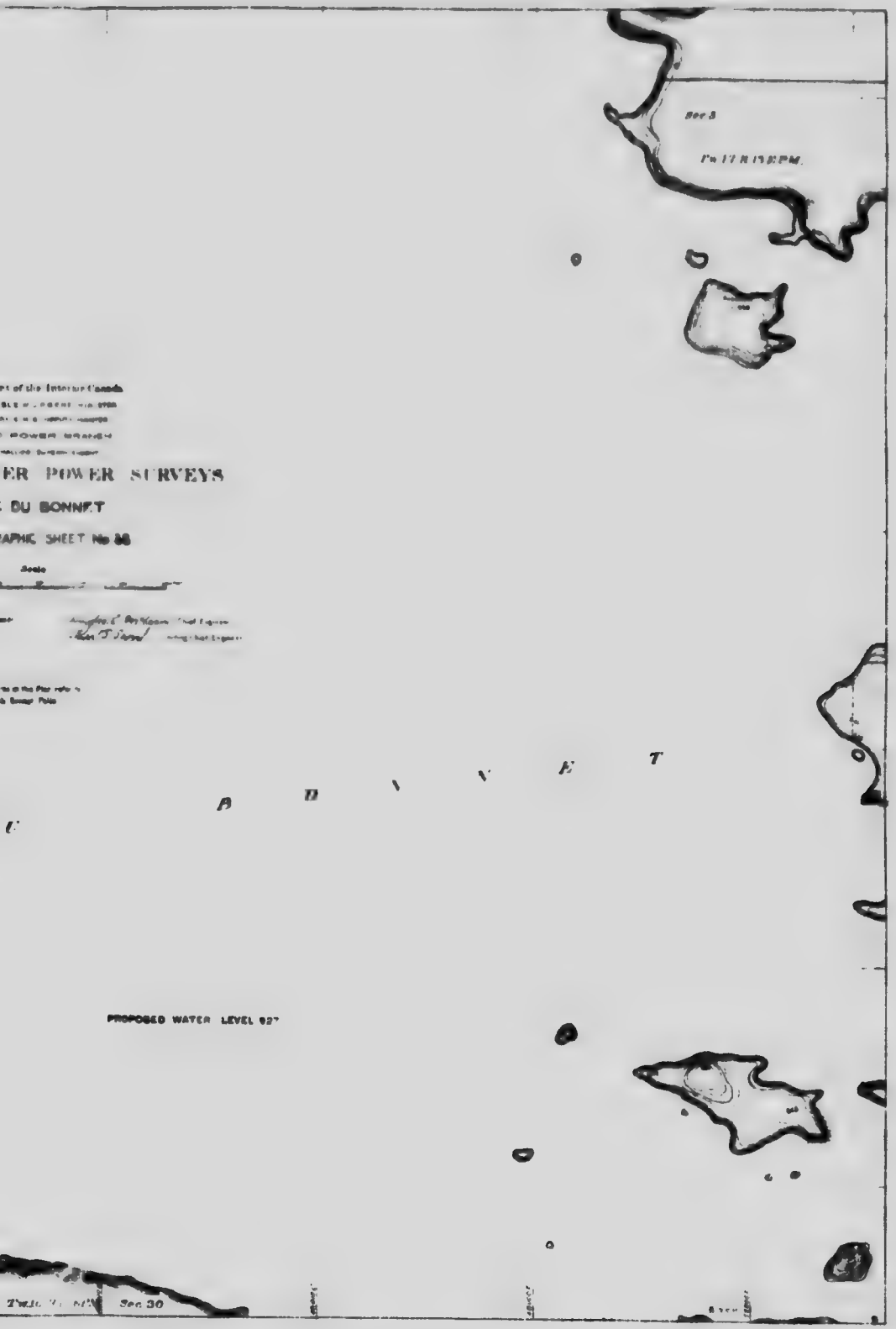

WINNIPEG RIVER POWER SURVEYS
LAC DU BONNET
TOPOGRAPHIC SHEET No. 38
Township 17 Range 12 East of the Pr
16
36
L A C
D U

5
of the Principal Meridian
PROPOSED WATER LEVEL 867
32
PROPOSED WATER LEVEL 867
B O N N E T

PROPOSED WATER

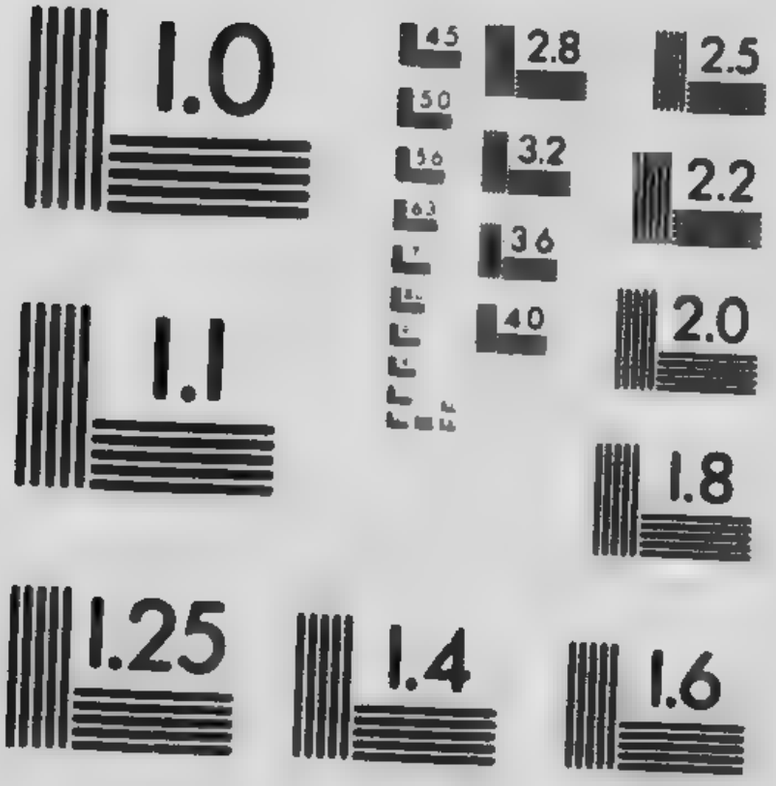
Department of the Interior Canada
WATER POWER BRANCH
WINNIPEG RIVER POWER SURVEYS
LAC DU BONNET
TOPOGRAPHIC SHEET No. 37
3
2
35
T
E
N
POSED WATER LEVEL 827


Sec 2
Sec 1
Tw17 R12 E.P.M
WINNIPEG RIVER POW
LAC DU BONN
TOPOGRAPHIC SHEE
L A C
D
Sec 33
PINAWA CHANNEL
Rocky Shore
Sec 35
Tw16 R12 W.P.M


Sec 3
ER POWER SURVEYS
DU BONNET
APHIC SHEET No 86
PROPOSED WATER LEVEL 927
Sec 30

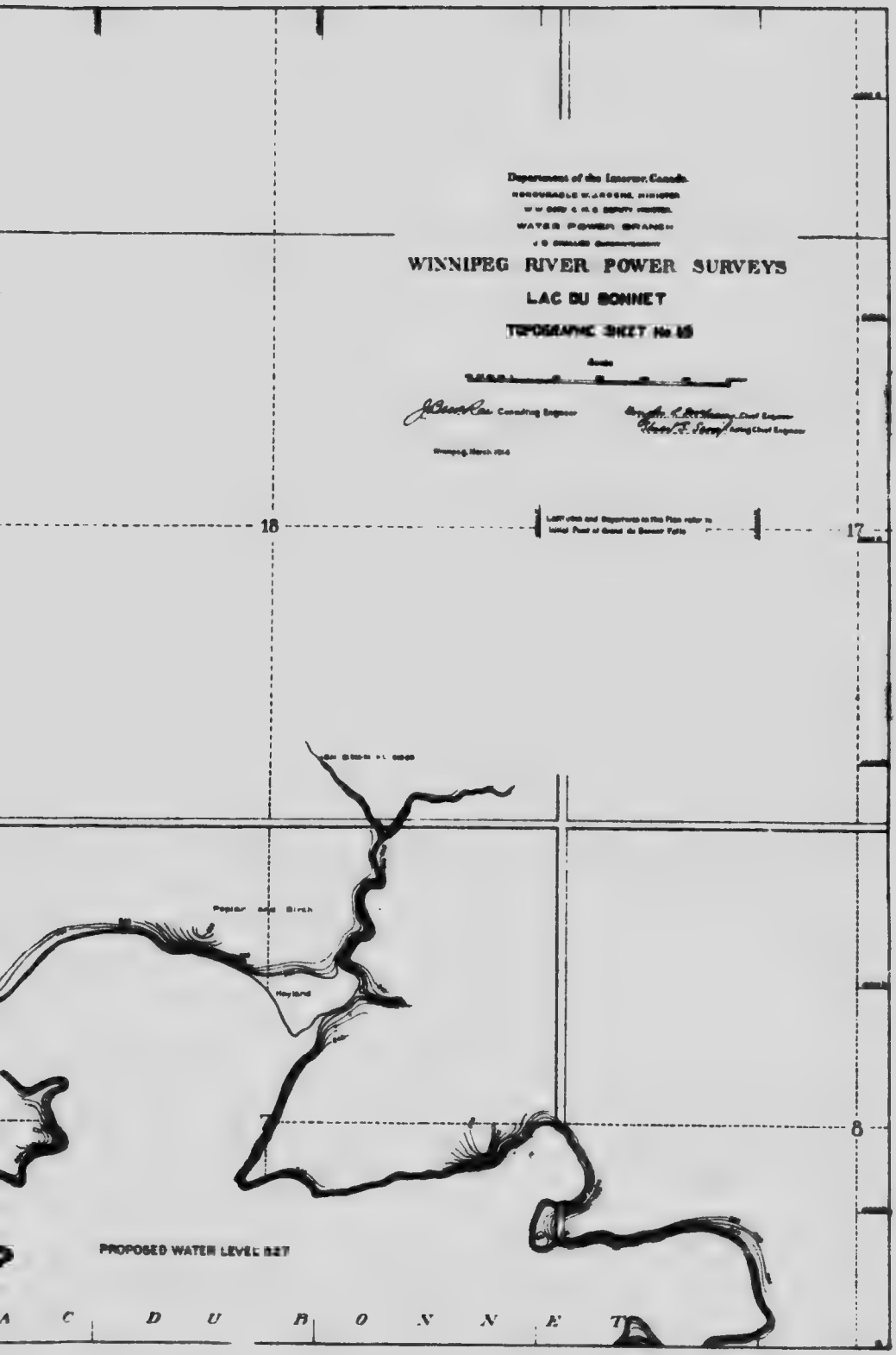
MICROCOPY RESOLUTION TEST CHART

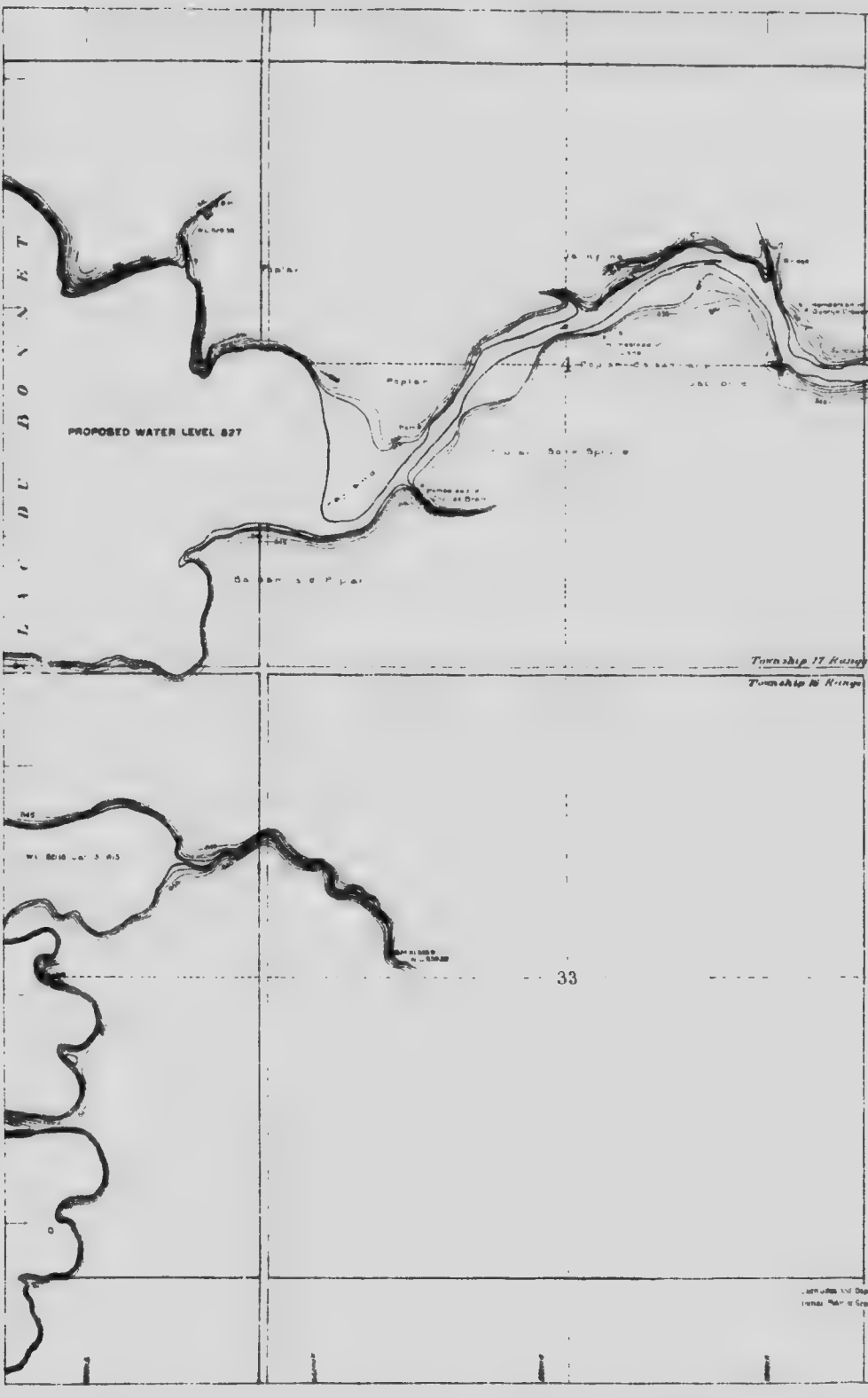
(ANSI and ISO TEST CHART No. 2)

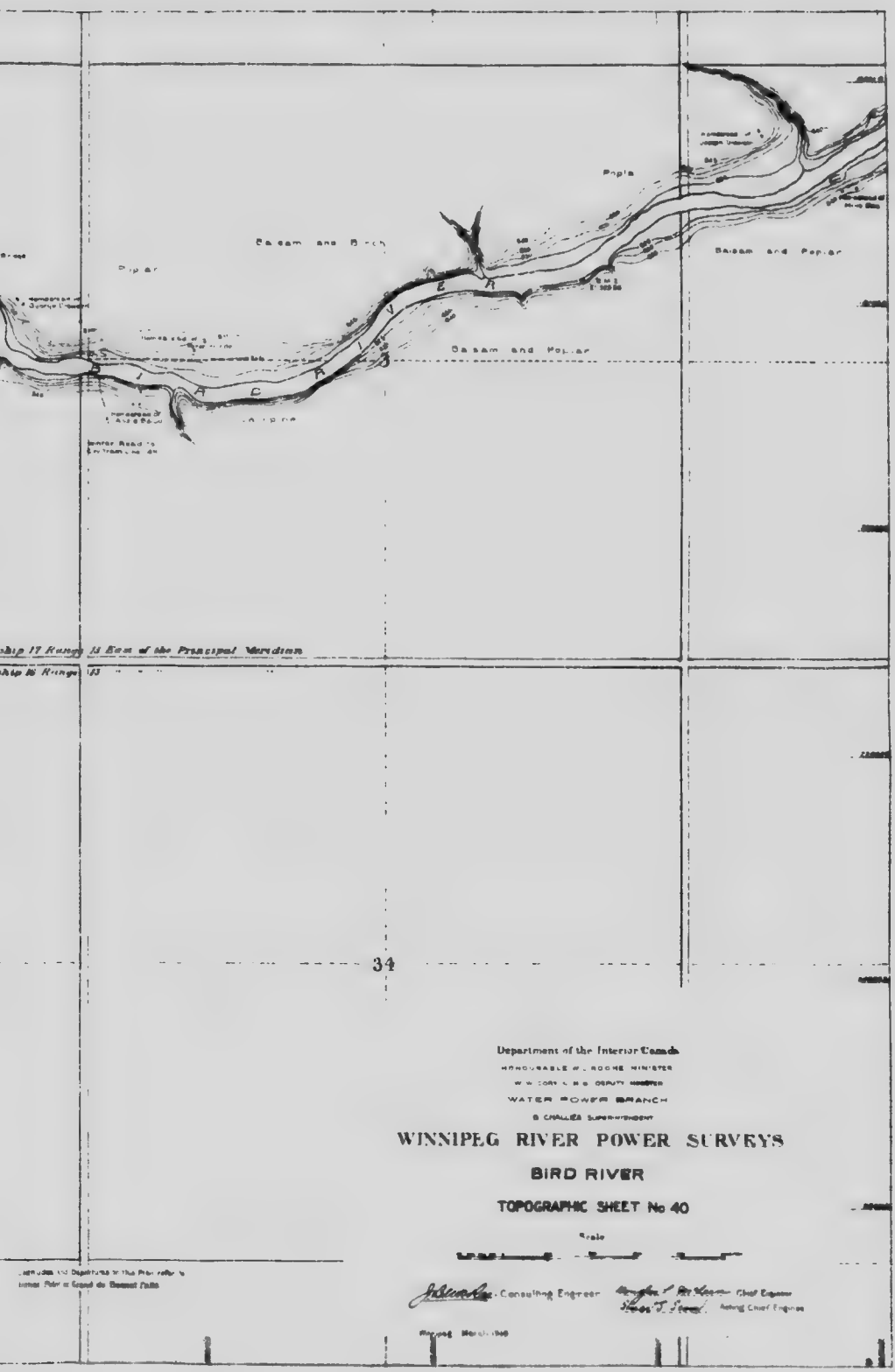


APPLIED IMAGE Inc
1653 East Main Street
Rochester New York 14609 USA
(716) 482 - 0300 Phone
(716) 288 - 5989 - Fax

12
13
Township 17 Range [illegible] East of the Principal Meridian
Township 17 Range [illegible] East of the Principal Meridian


Department of the Interior, Canada.
WATER POWER BRANCH
WINNIPEG RIVER POWER SURVEYS
LAC DU BONNET
TOPOGRAPHIC SHEET No 15
18
17
8
PROPOSED WATER LEVEL 827
A C D U B O N N E T


LAC DE BONNET
PROPOSED WATER LEVEL 827
Township 17 Range
Township 16 Range



Department of the Interior Canada

HONOURABLE W. J. ROCHE MINISTER

W. W. CORY C.B.E. DEPUTY MINISTER

WATER POWER BRANCH

B. CHALLIES SUPERINTENDENT

WINNIPEG RIVER POWER SURVEYS

BIRD RIVER

TOPOGRAPHIC SHEET No 40

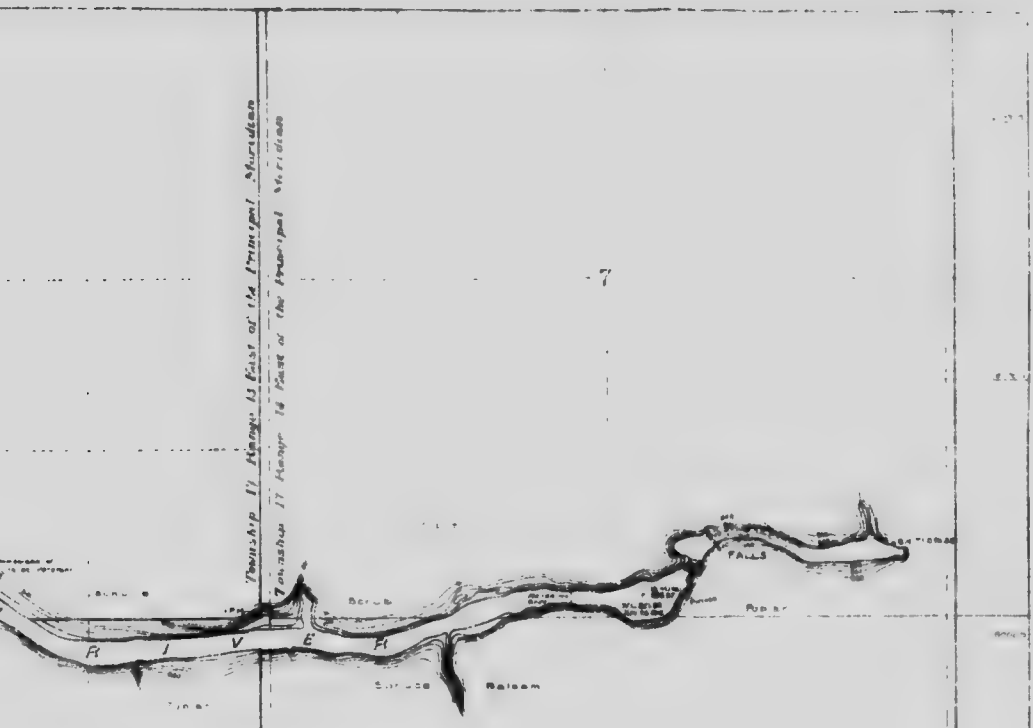
Scale

Consulting Engineer

Chief Engineer

Acting Chief Engineer

11
12
2
1
Township 17 Range 13 East of the Principal Meridian
Township 16 Range 13 East of the Principal Meridian



Department of the Interior Canada

WATER POWER BRANCH

WINNIPEG RIVER POWER SURVEYS

BIRD RIVER

TOPOGRAPHIC SHEET No 41

Scale

Consulting Engineer

Chief Engineer

Assistant Engineer

Winnipeg, March, 1914

8
Poplar
Jackpine
and Balsam
Rocky Shore
Rock Point
Rocky Shore
Rock
Bank
PROPOS
Rocky Shore
Jackpine
5
Township 14 Range 13 East of
13

Department of the Interior Canada

HONOURABLE W. J. ROCHE Minister

W. W. CORY C.M.G. Deputy Minister

WATER POWER BRANCH

J.B. Challies Superintendent

WINNIPEG RIVER POWER SURVEYS

LAKE DOROTHY

TOPOGRAPHIC SHEET No 42

Scale

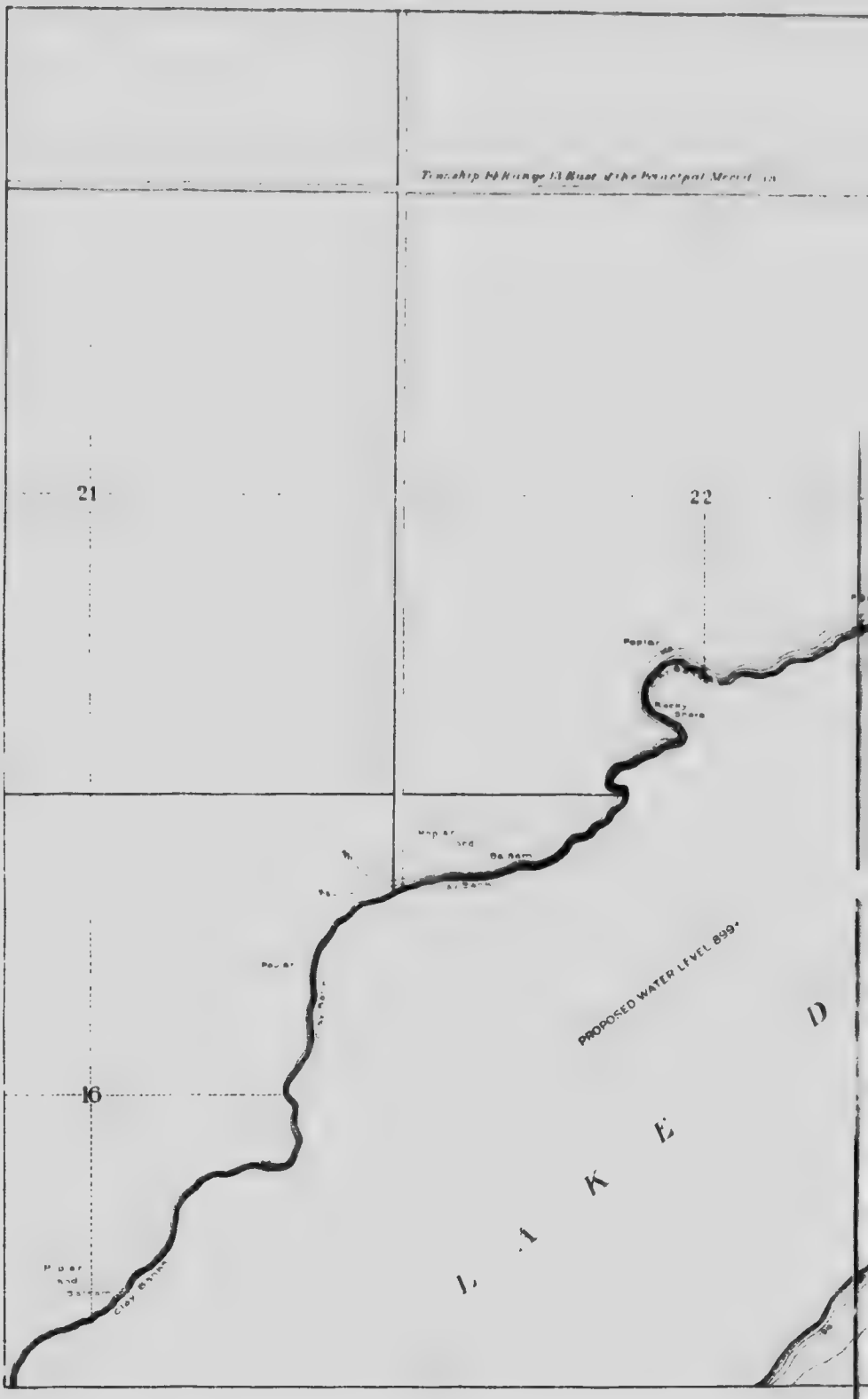
...ge 13 East of the Principal Meridian

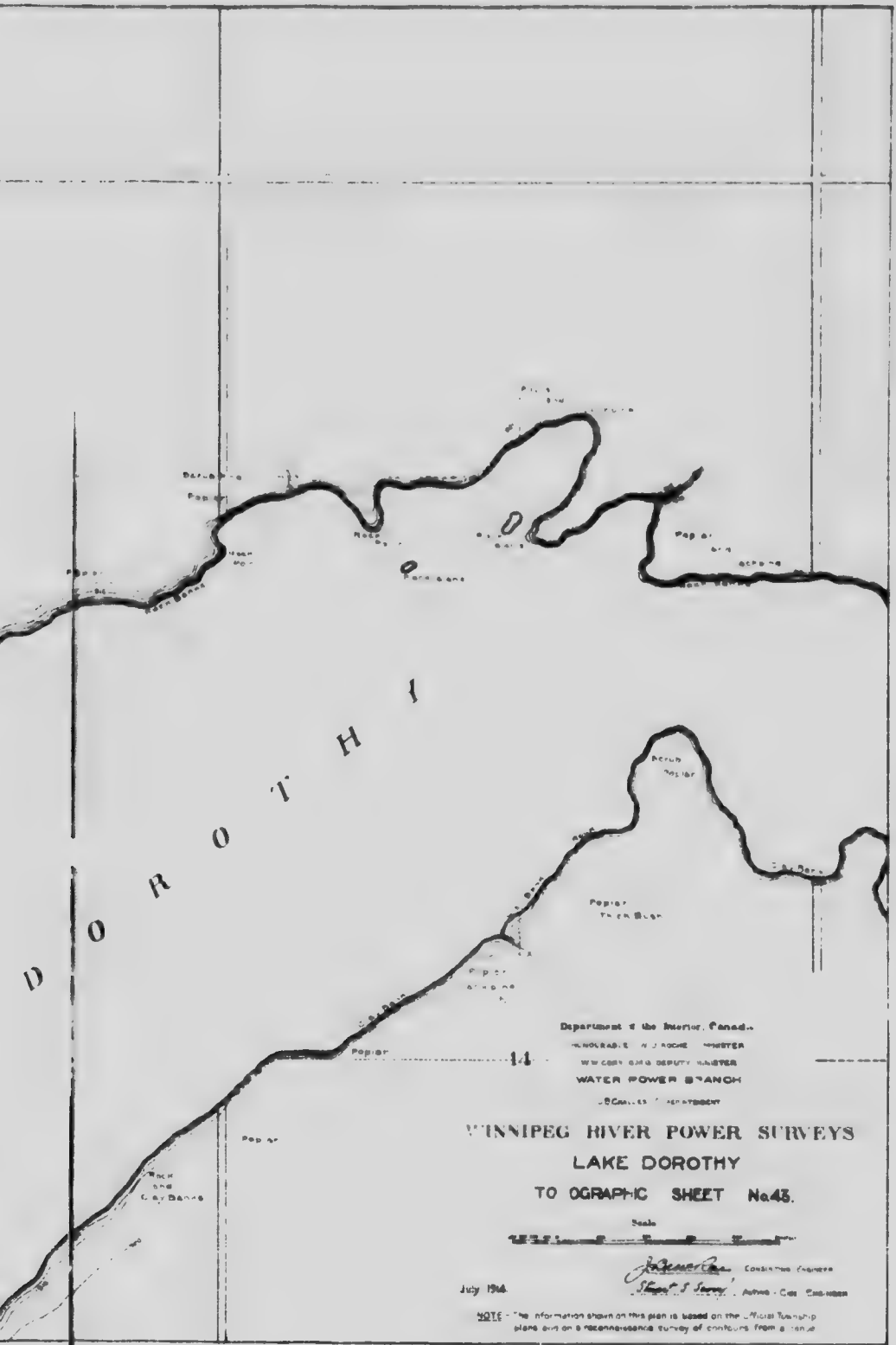
Mar 1916

Consulting Engineer

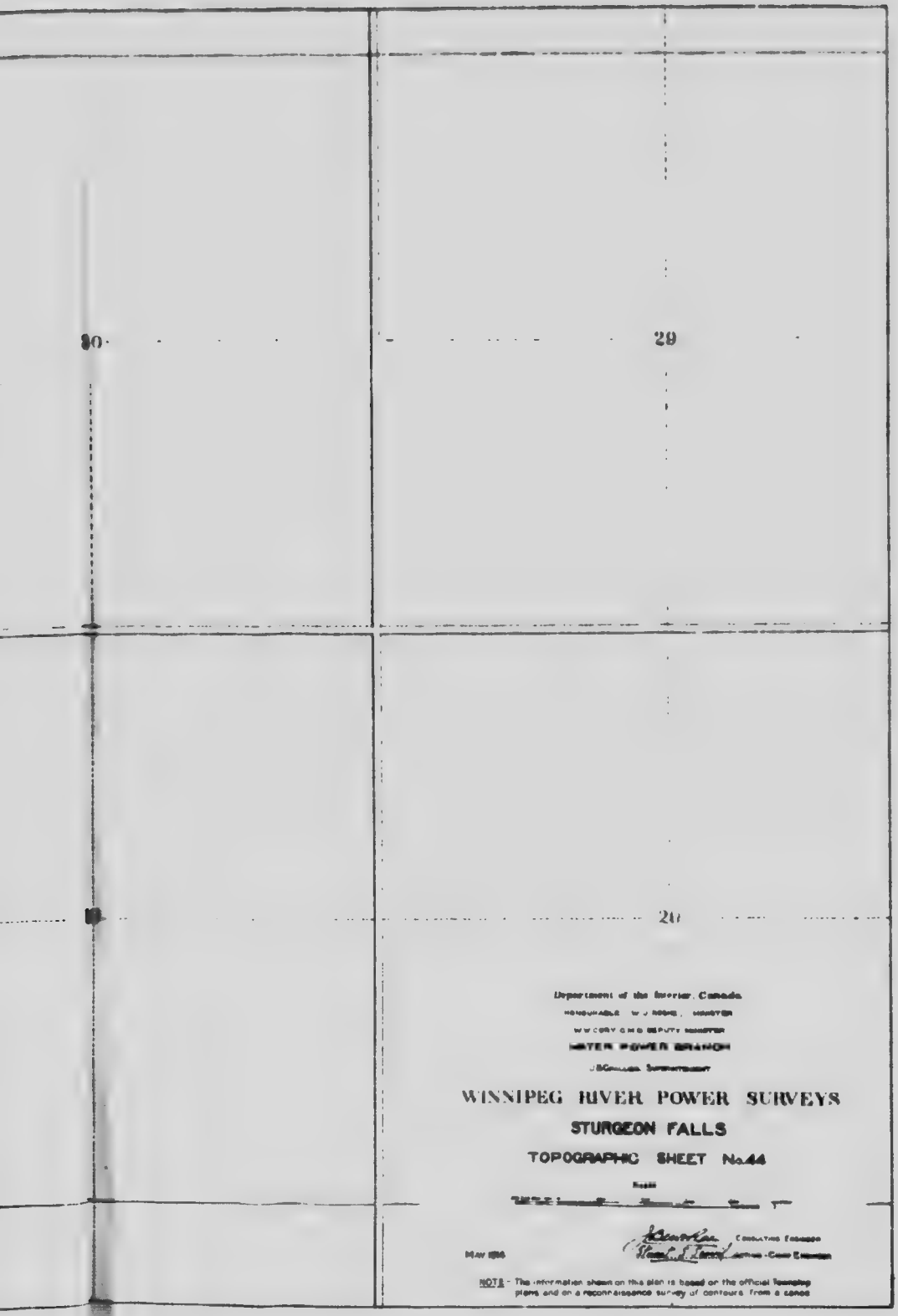
Acting Chief Engineer

NOTE. The information of which this plan is based on the official Township plans and on a reconnaissance survey of shorelines from a canoe


21
22
16
PROPOSED WATER LEVEL 899'
LAKE


D O R O T H Y
Department of the Interior, Canada.
WATER POWER BRANCH
WINNIPEG RIVER POWER SURVEYS
LAKE DOROTHY
TO OGRAPHIC SHEET No.43.
Scale
July 1914.

25
24
Poplar
Jackpine
Poplar
PROPOSED WATER LEVEL 808'
Spruce
Rock Bank
Rapids
WINNIPEG RIVER
Township 14 Range 13 East of the Principal Meridian
Township 14 Range 14 East of the Principal Meridian



Department of the Interior, Canada.

HONOURABLE W. J. ROCHE, MINISTER

W. W. CORY, C.M.G. DEPUTY MINISTER

WATER POWER BRANCH

J. B. Challies, Superintendent

WINNIPEG RIVER POWER SURVEYS

STURGEON FALLS

TOPOGRAPHIC SHEET No. 44

Scale

May 1916

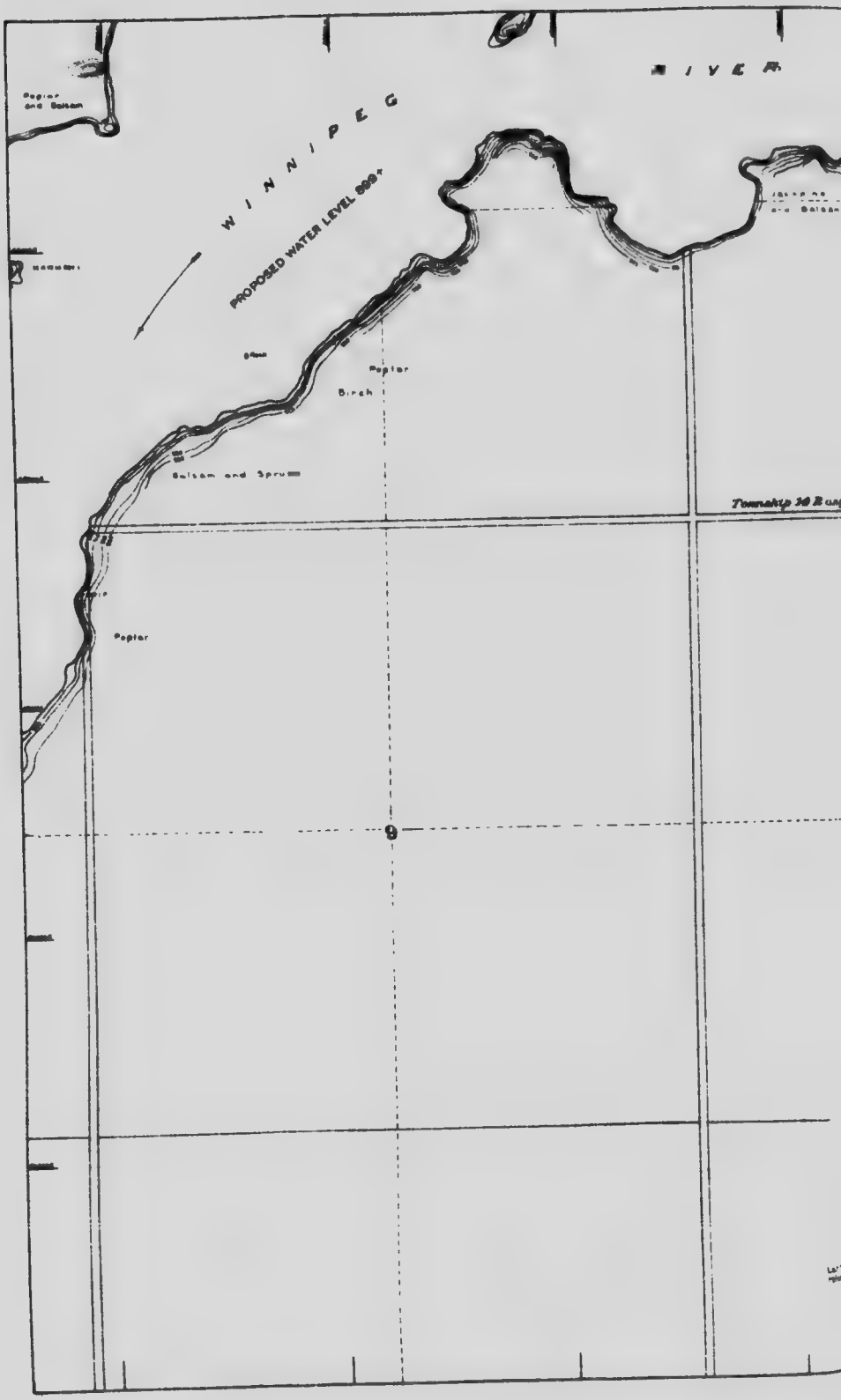
J. B. Challies, Consulting Engineer

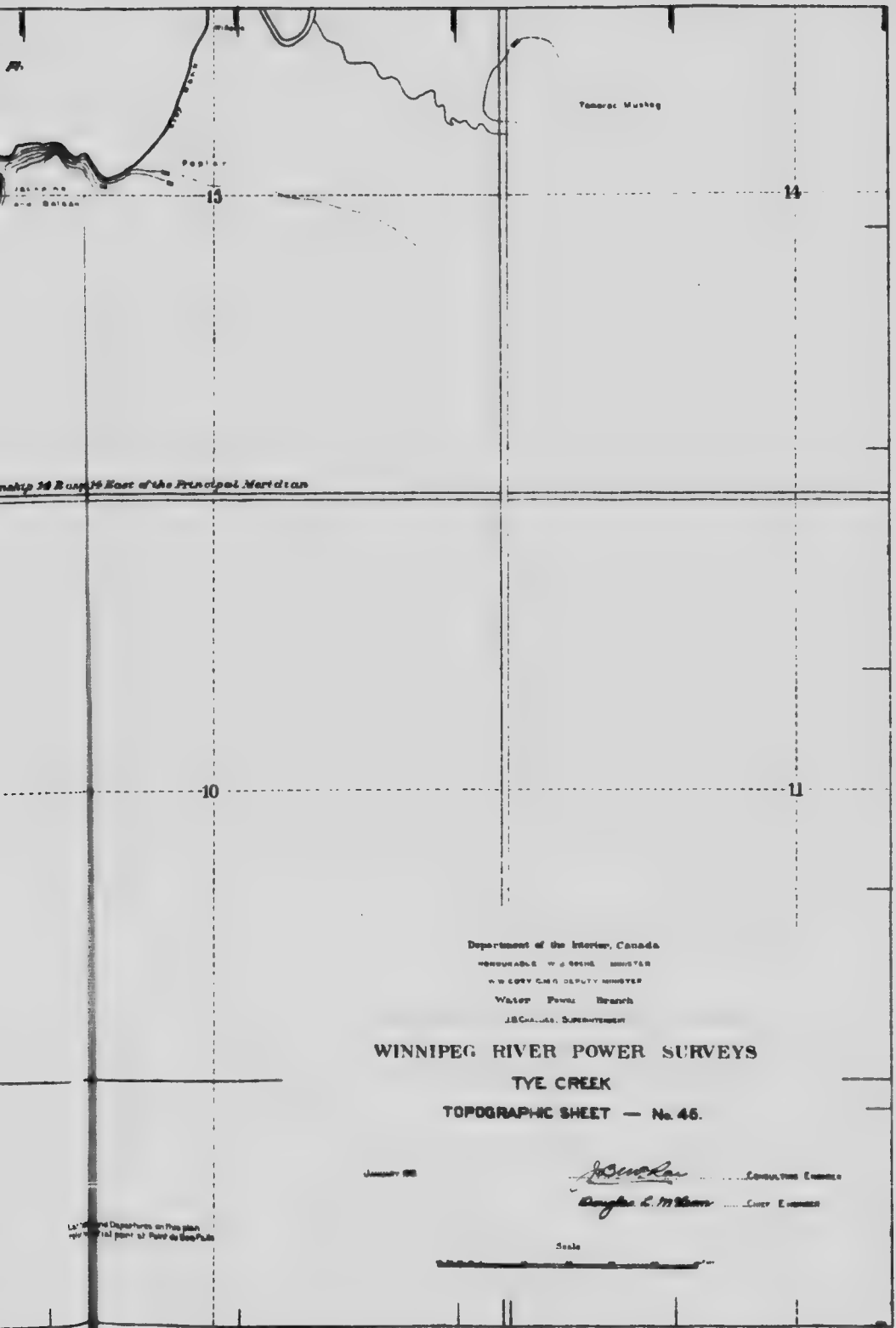
Thos. L. Tunnell, Assistant Chief Engineer

NOTE - The information shown on this plan is based on the official Township plans and on a reconnaissance survey of contours from a canoe

THE BARRIER
J E S S I E
12
PROPOSED WATER LEVEL

18
17
WINNIPEG RIVER
STURGEON FALLS
WATER LEVEL
WHITESHELL RIVER
WATER POWER BRANCH
WINNIPEG RIVER POWER SURVEYS
LAKE JESSIE
TOPOGRAPHIC SHEET No. 45


W I N N I P E G
PROPOSED WATER LEVEL 858'
Poplar
Birch
Balsam and Spruce
Poplar
Township 20 R



Department of the Interior, Canada

HONOURABLE W. J. ROCHE, MINISTER

W. W. CORY, C.M.G., DEPUTY MINISTER

Water Power Branch

J. B. CHALLIES, SUPERINTENDENT

WINNIPEG RIVER POWER SURVEYS

TYE CREEK

TOPOGRAPHIC SHEET — No. 46.

January 1915

J. B. Challies ..... Consulting Engineer

Douglas C. McLean ..... Chief Engineer

Scale

Department of the Interior, Canada

Water Power Branch

WINNIPEG RIVER POWER SURVEYS

TYE CREEK

TOPOGRAPHIC SHEET — No. 47.

Oct. 19

Latitudes and Departures on the plan refer to initial point at Point du Bois Falls

Township 14 Range 14 East of the Principal Meridian

WINNI

21

PROPOSED WATER LEVEL 900+

RIVER
26
22
23

Department of the Interior Canada

Water Power Branch

WINNIPEG RIVER POWER SURVEYS

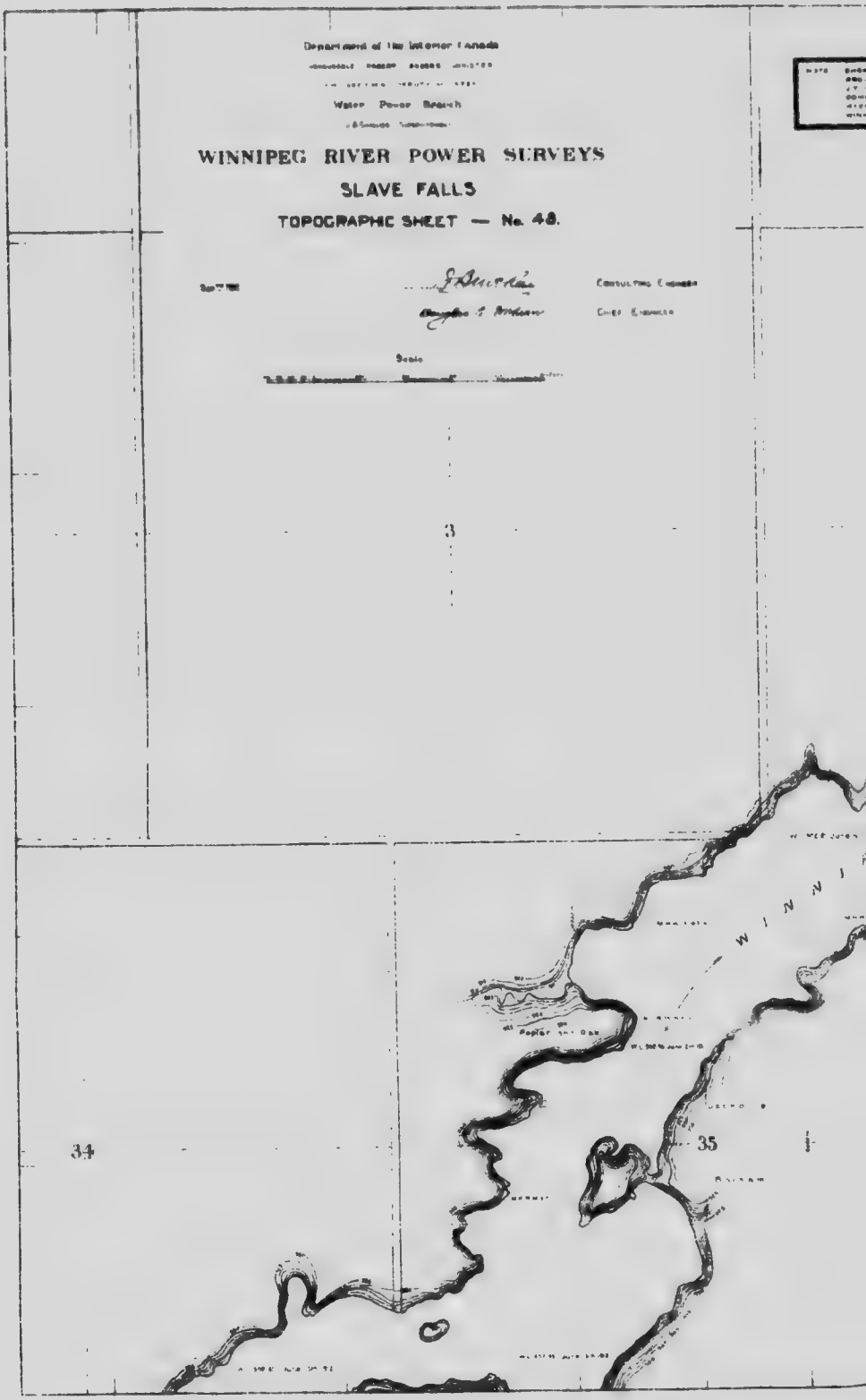
SLAVE FALLS

TOPOGRAPHIC SHEET — No. 48.

Surveyed ..... Consulting Engineer

Chief Engineer

Scale



PROPOSED WATER LEVEL 828
PROPOSED WATER LEVEL 800
Township 15 Range 16 East of the Principal Meridian
Township 14 Range 16 East of the Principal Meridian
36

Department of the Interior Canada

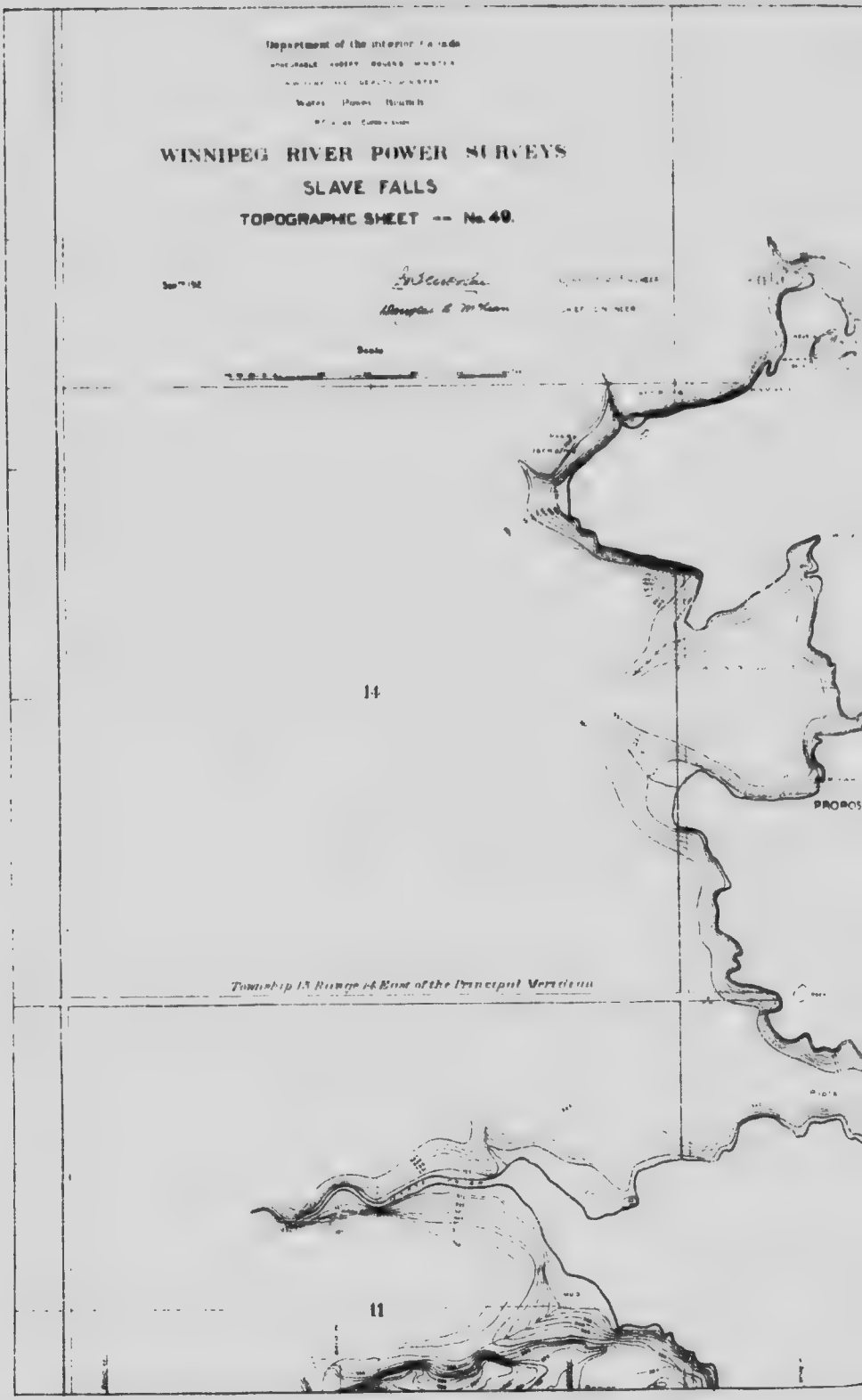
Water Power Branch

WINNIPEG RIVER POWER SURVEYS

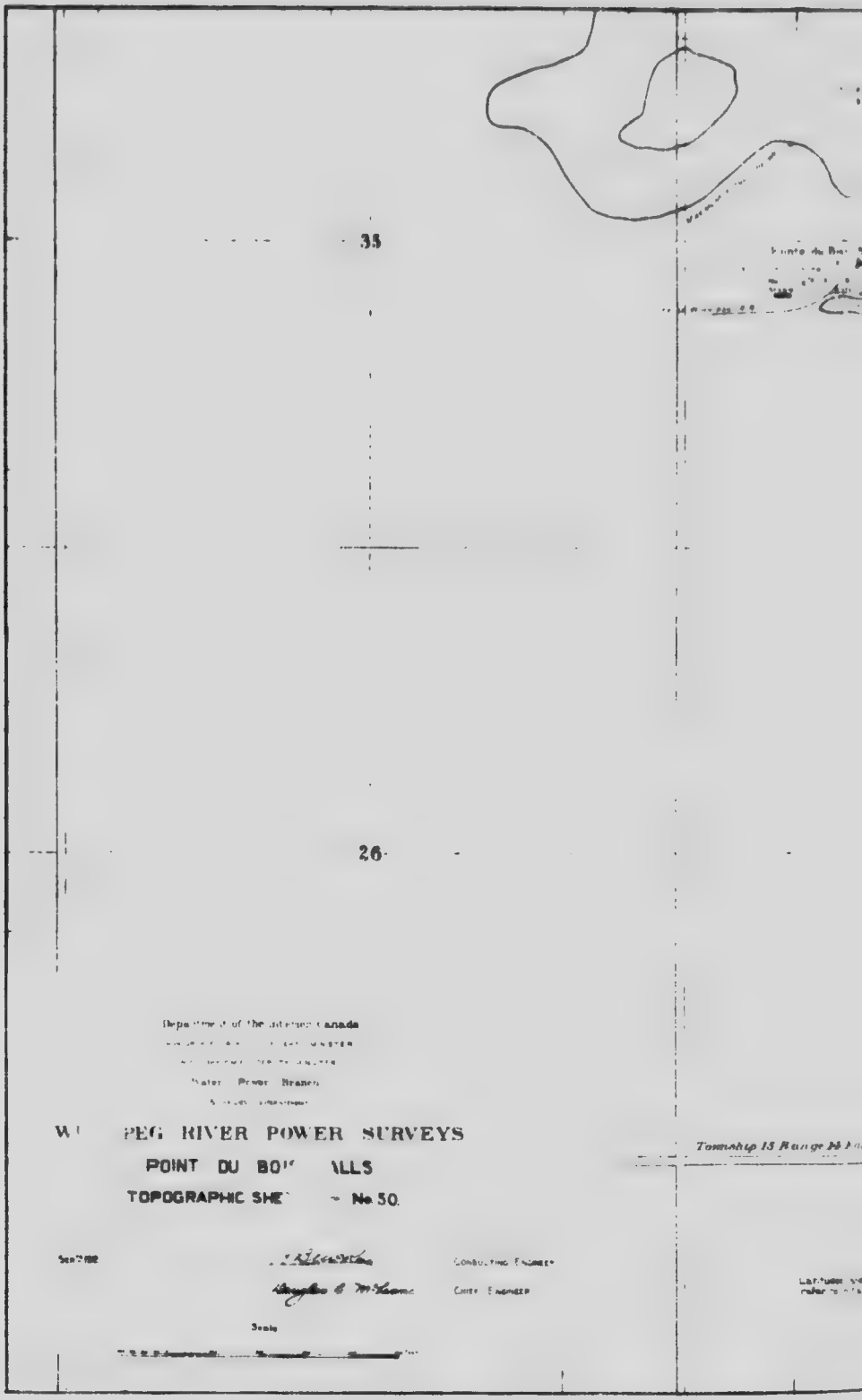
SLAVE FALLS

TOPOGRAPHIC SHEET -- No. 49.

Scale



24
19
18
7
RIVER
PROPOSED WATER LEVEL 928
MANITOBA
Township 18 Range 13 East of the Principal Meridian



Department of the Interior Canada

Water Power Branch

WINNIPEG RIVER POWER SURVEYS

POINT DU BOIS FALLS

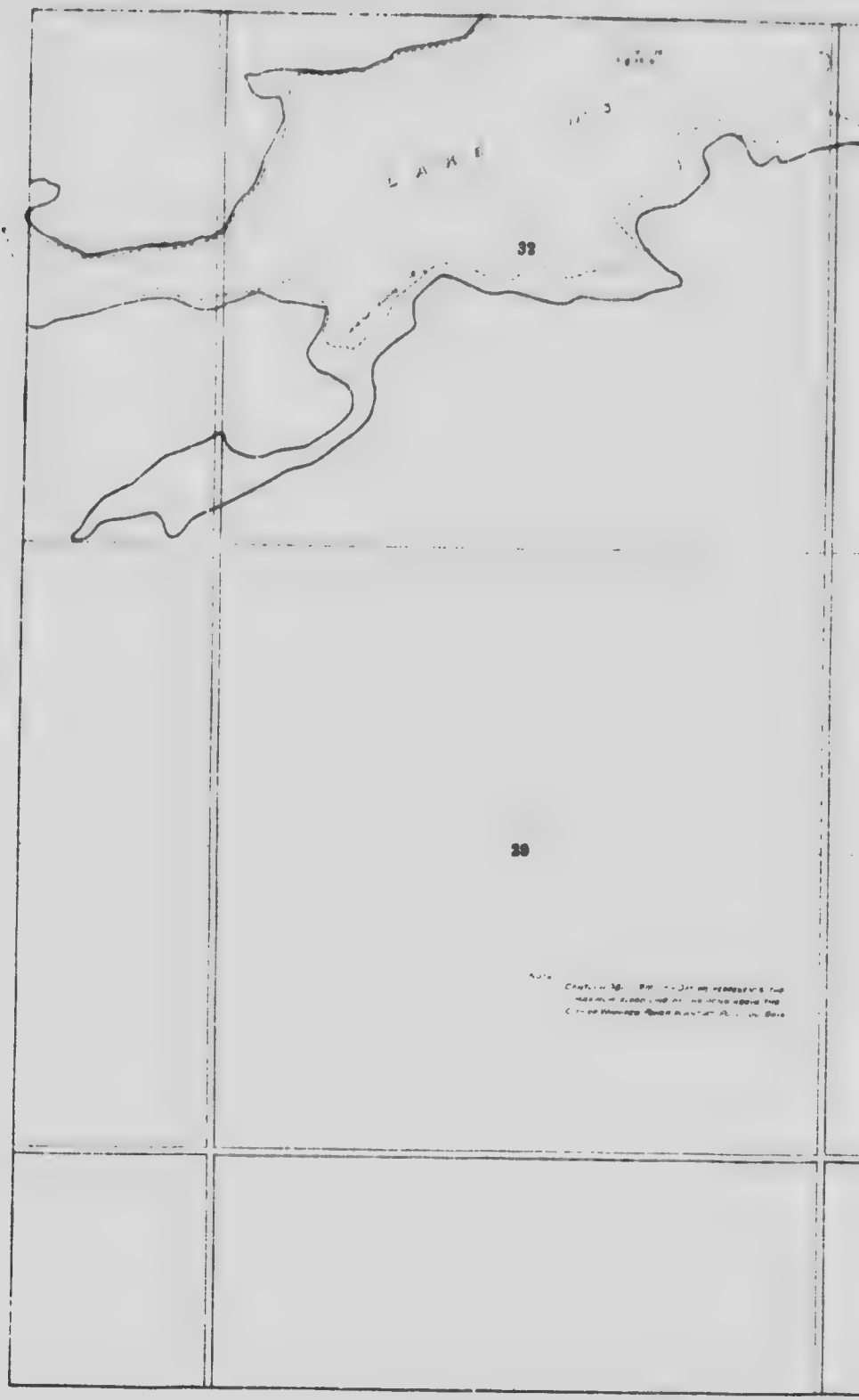
TOPOGRAPHIC SHEET - No 50.

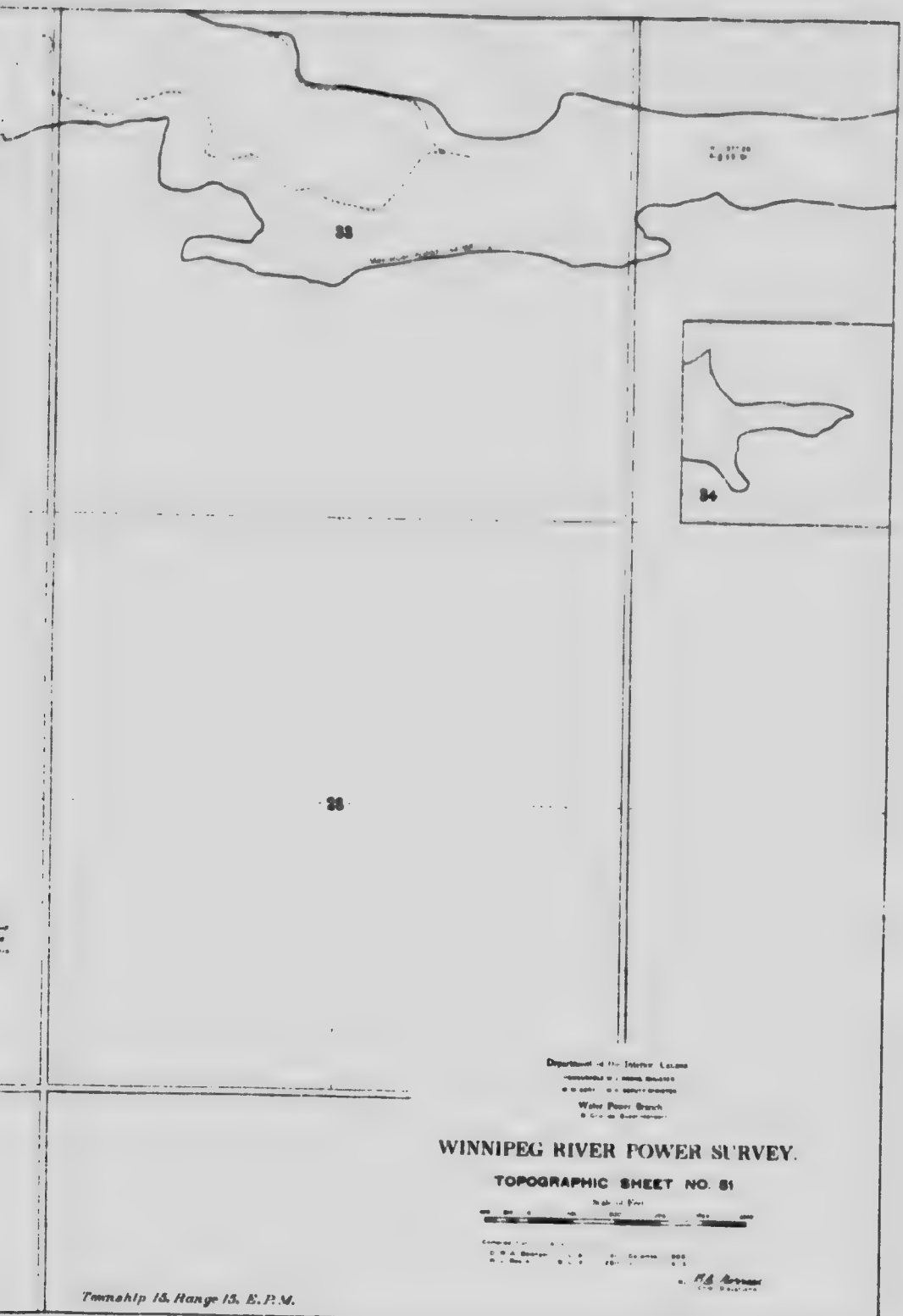
Consulting Engineer

Chief Engineer

Scale

POINT DU BOIS FALLS
31
RIVER
25
30
EIGHT FOOT FALLS
WINNIPEG
Range 14 East of the Principal Meridian
Township 13 Range 13 E P.M


LAKE
32
29



Water Power Branch

WINNIPEG RIVER POWER SURVEY.

TOPOGRAPHIC SHEET NO. 81

Township 18, Range 15, E.P.M.

Water Power Branch

WINNIPEG RIVER POWER SURVEY.

TOPOGRAPHIC SHEET NO. 52

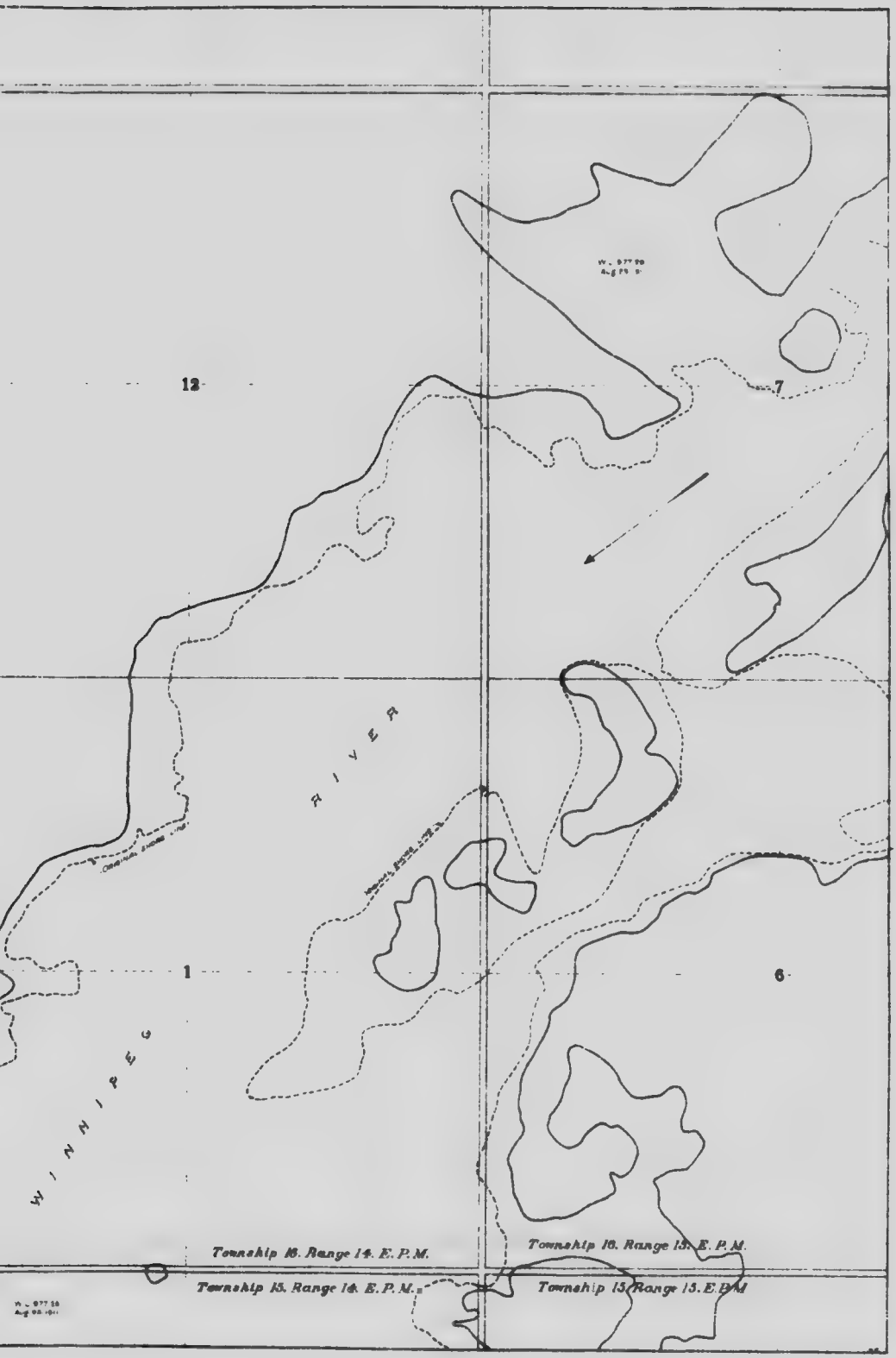
Note -

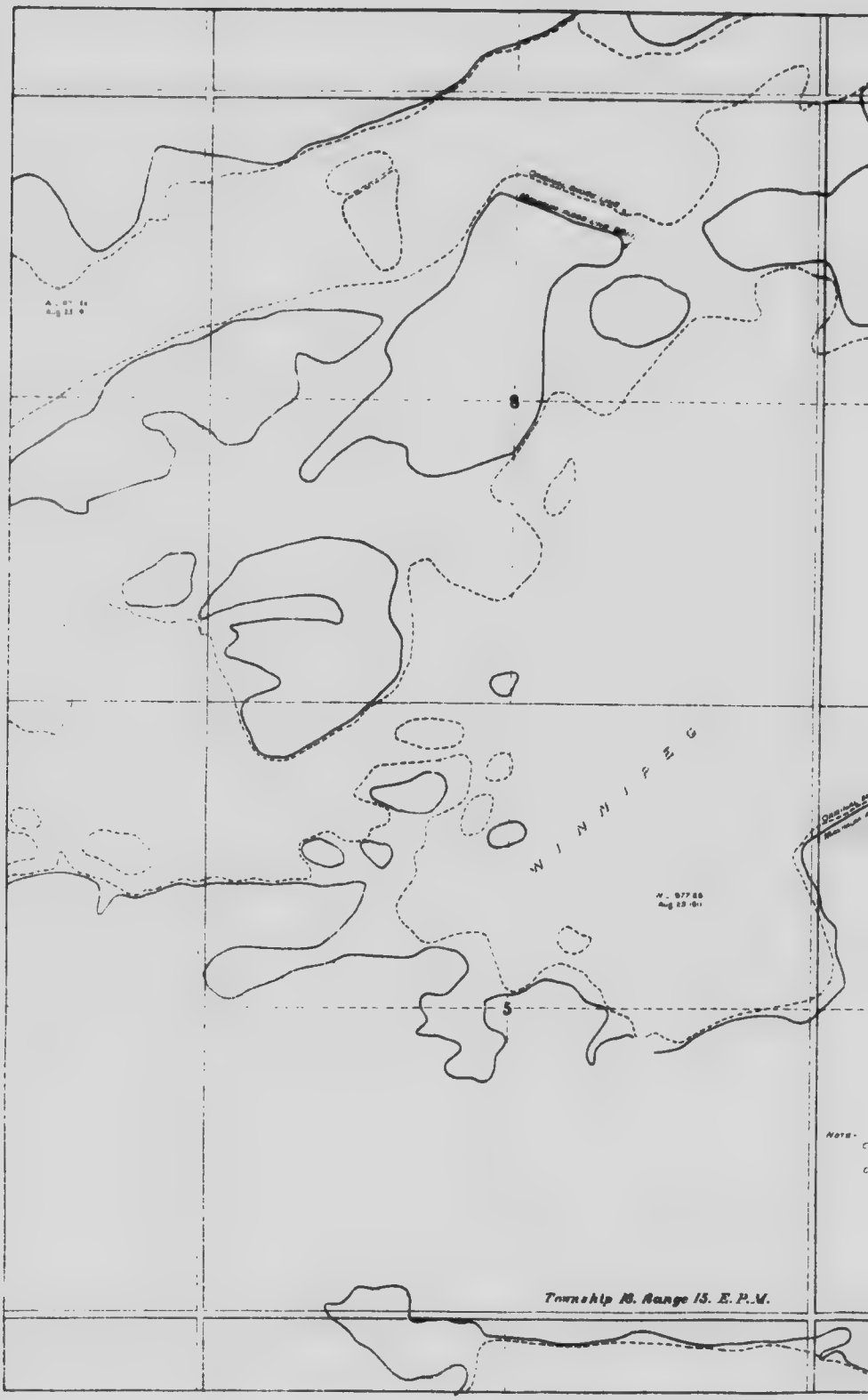
Contour 718 / 718 City Datum represents the maximum flood line of the road above the City of Winnipeg Pump Plant at Point du Bois.

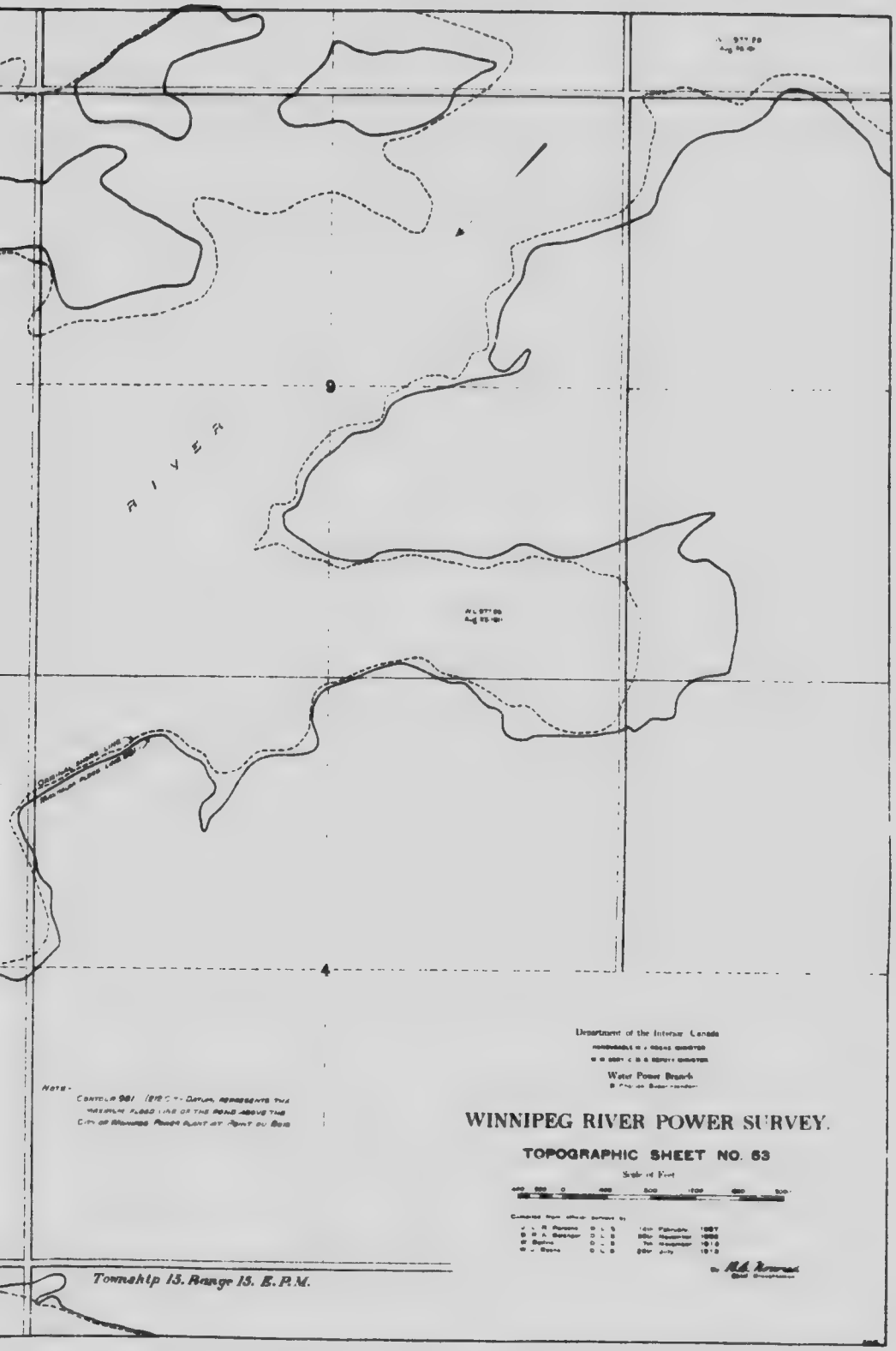
Maximum Flood Line 1904

11

2


12
7
1
6
RIVER
WINNIPEG
Township 16. Range 14. E. P. M.
Township 16. Range 15. E. P. M.
Township 15. Range 14. E. P. M.
Township 15. Range 15. E. P. M.


8
5
WINNIPEG
Township 16. Range 15. E. P.M.



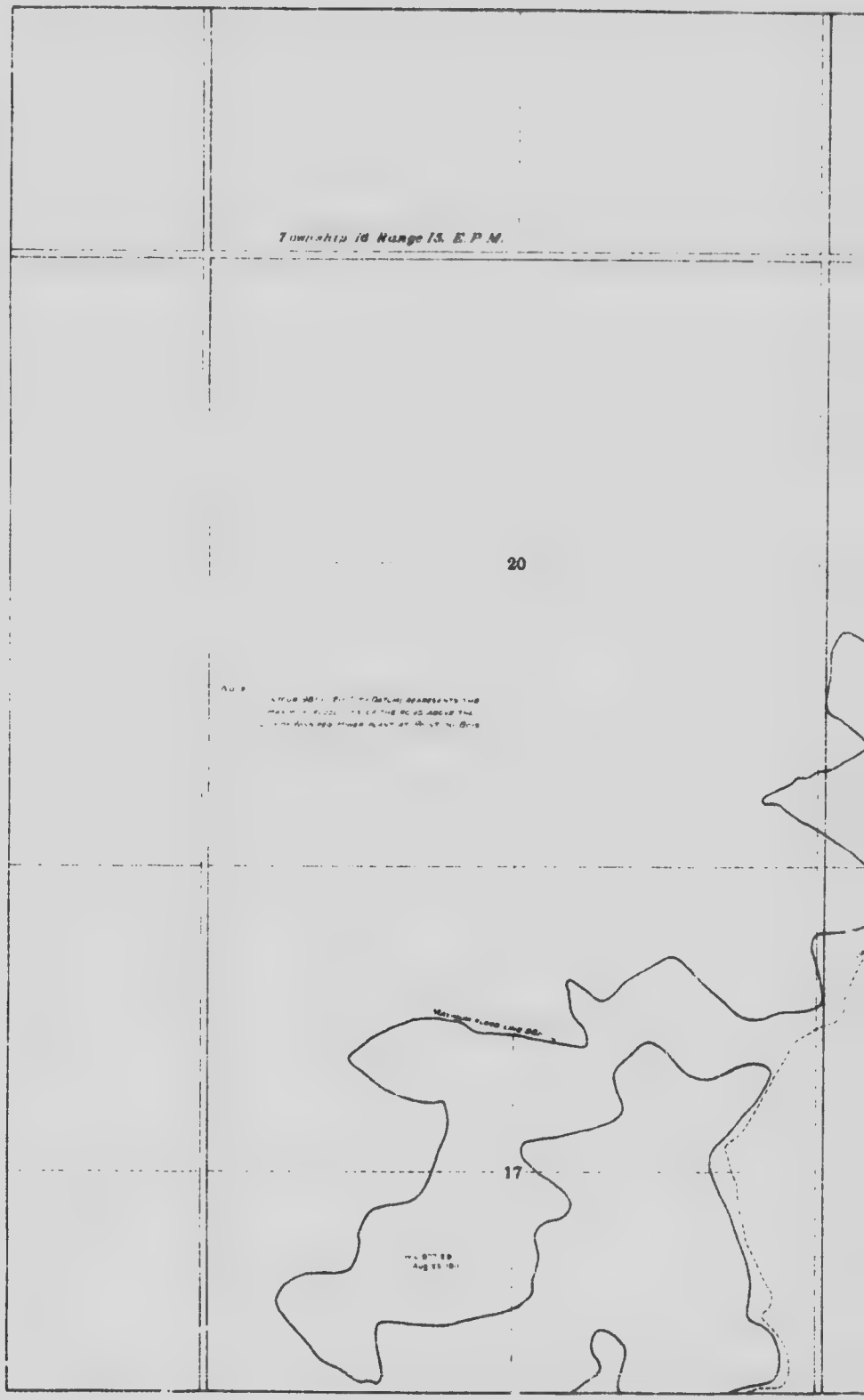
Department of the Interior, Canada

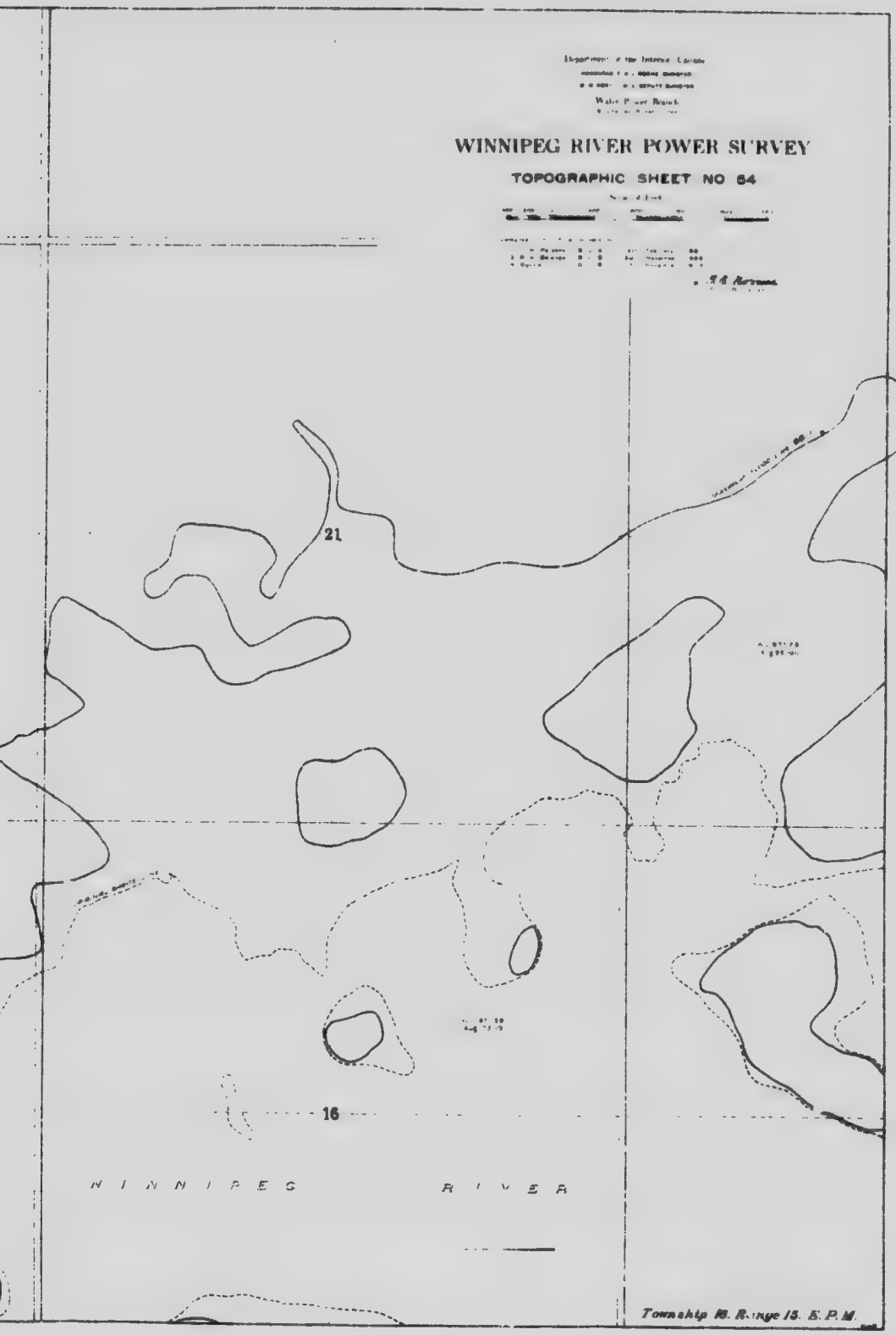
Water Power Branch

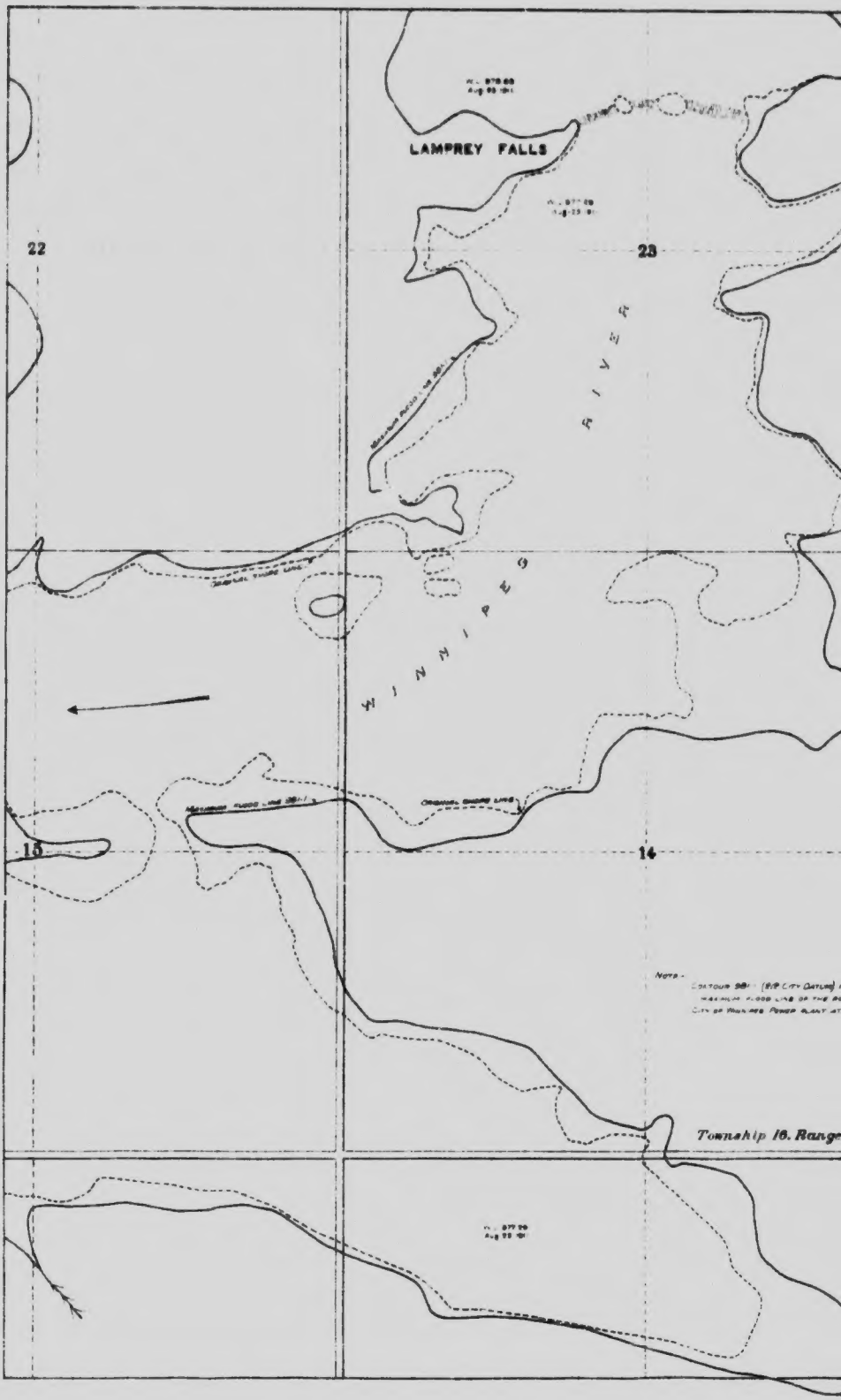
WINNIPEG RIVER POWER SURVEY.

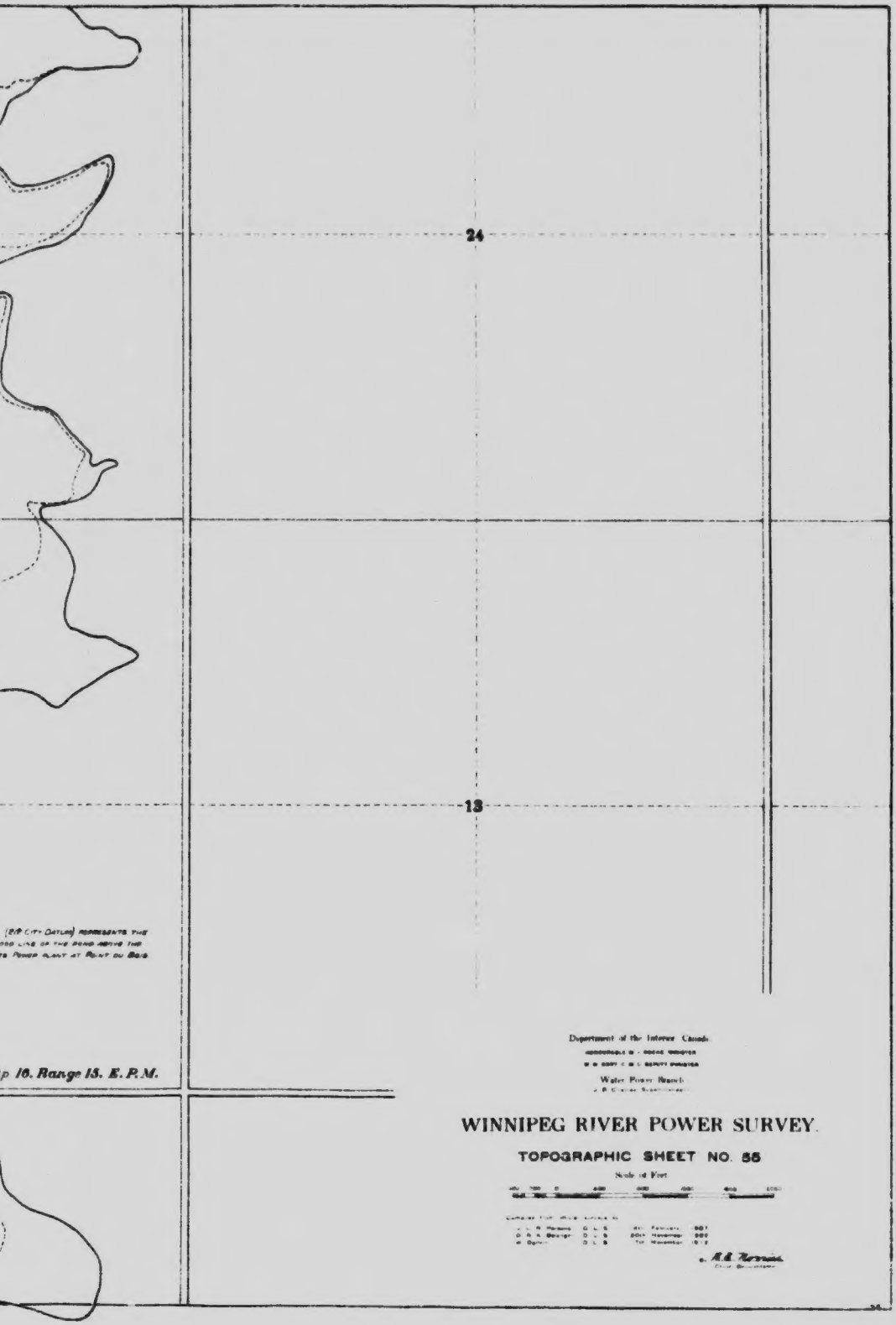
TOPOGRAPHIC SHEET NO. 63

Township 13. Range 15. E.P.M.


Township 16 Range 15 E. P. M.
20
17


WINNIPEG RIVER POWER SURVEY
TOPOGRAPHIC SHEET NO 64
21
16
WINNIPEG RIVER
Township 16. Range 13. E. P. M.


LAMPREY FALLS
22
23
RIVER
WINNIPEG
15
14
Township 16. Range



(D.P. City Datum) represents the
flood line of the pond above the
Power Plant at Point du Bois

p 16. Range 15. E.P.M.

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Water Power Branch

WINNIPEG RIVER POWER SURVEY.

TOPOGRAPHIC SHEET NO. 55

Scale of Feet